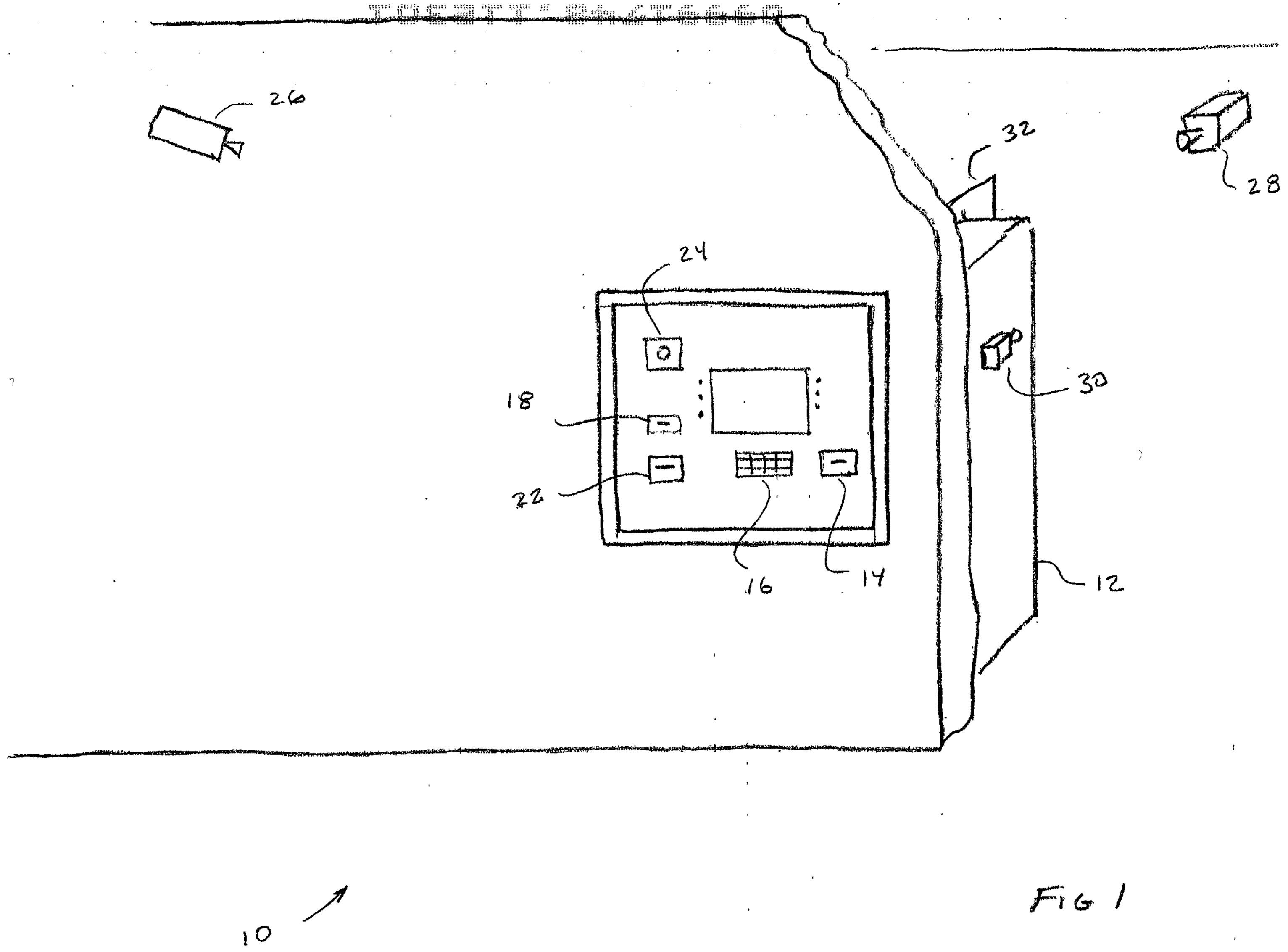
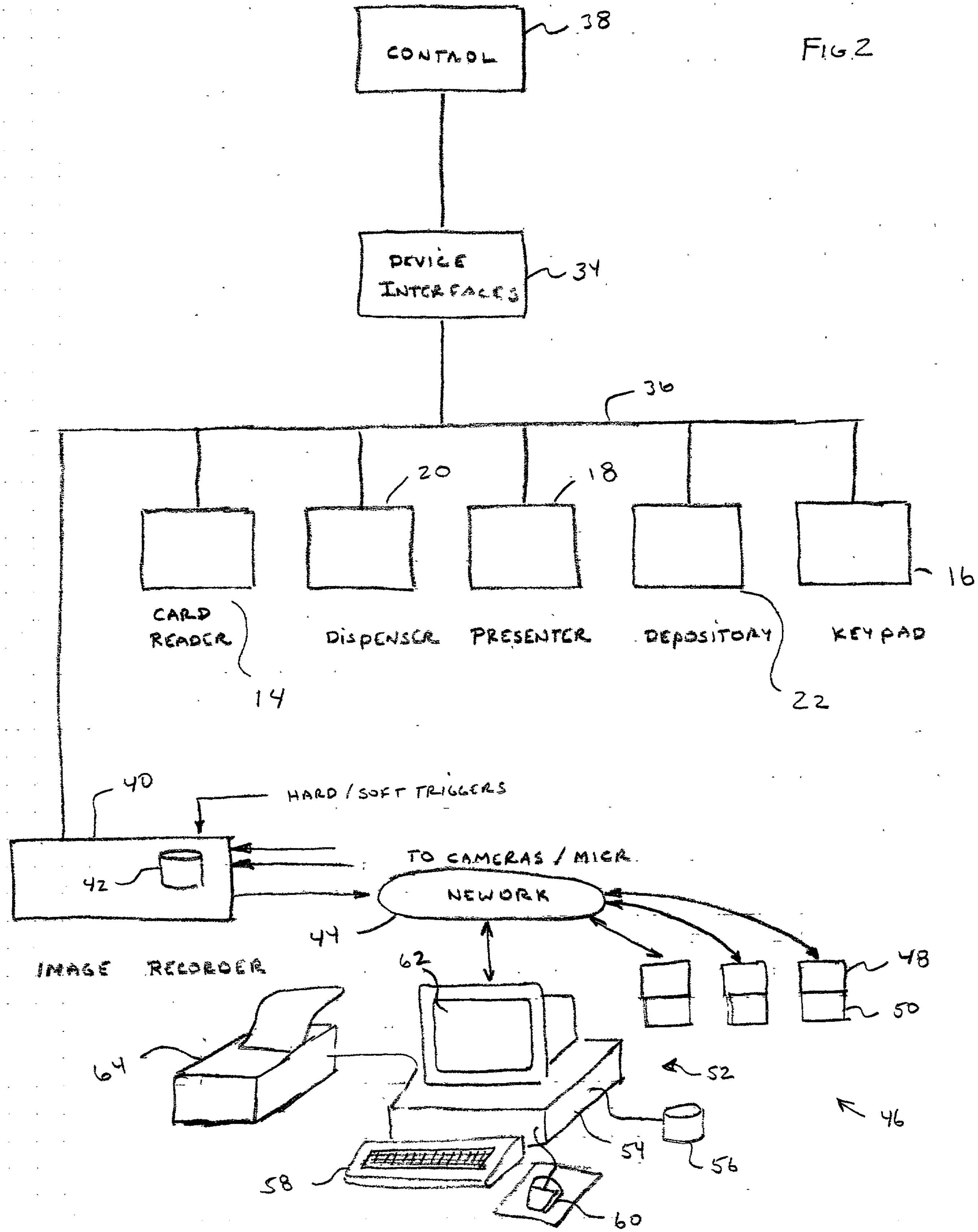


FIG 1

FIG 2



CONTROL
DEVICE INTERFACES
CARD READER
DISPENSER
PRESENTER
DEPOSITORY
KEYPAD
HARD / SOFT TRIGGERS
TO CAMERAS / MICR
NEWORK
IMAGE RECORDER

FIG 3

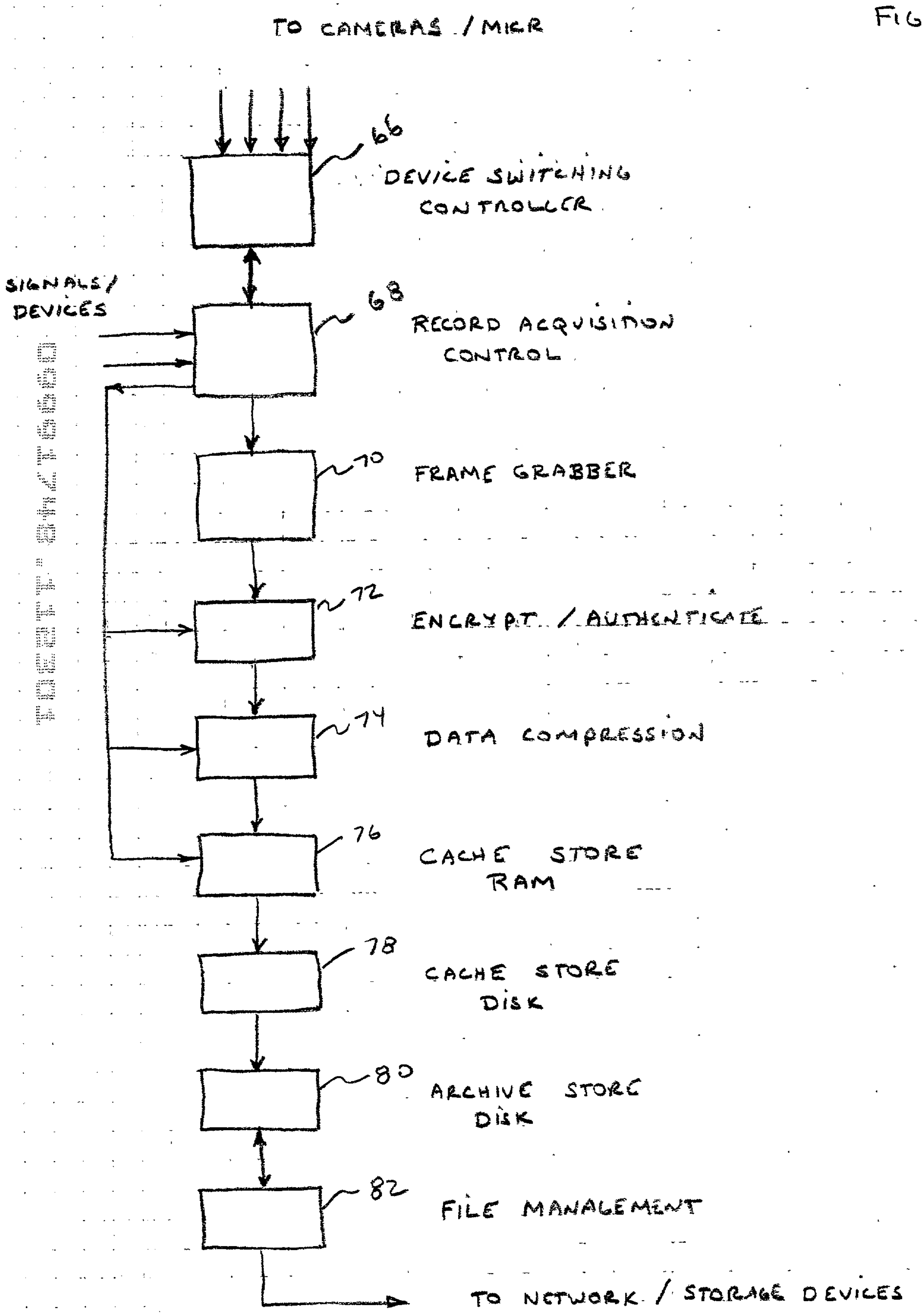
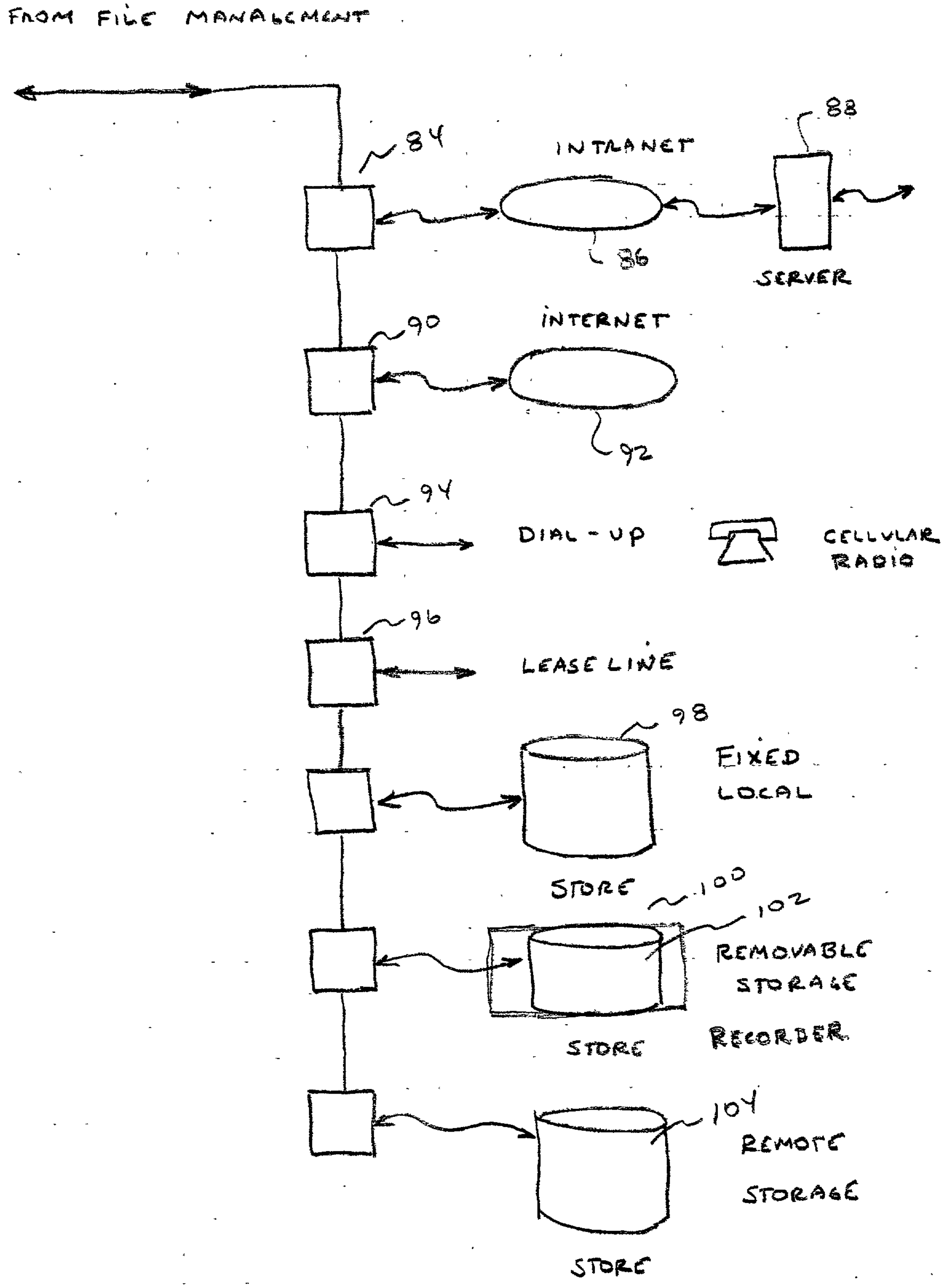

TO CAMERAS / MICR
66
DEVICE SWITCHING CONTROLLER
SIGNALS / DEVICES
68
RECORD ACQUISITION CONTROL
70
FRAME GRABBER
72
ENCRYPT. / AUTHENTICATE
74
DATA COMPRESSION
76
CACHE STORE RAM
78
CACHE STORE DISK
80
ARCHIVE STORE DISK
82
FILE MANAGEMENT
TO NETWORK / STORAGE DEVICES

FIG 4


FROM FILE MANAGEMENT
84
INTRANET
88
86
SERVER
90
INTERNET
92
94
DIAL-UP
CELLULAR RADIO
96
LEASE LINE
98
FIXED LOCAL
STORE
100
102
REMOVABLE STORAGE
STORE
RECORDER
104
REMOTE STORAGE
STORE

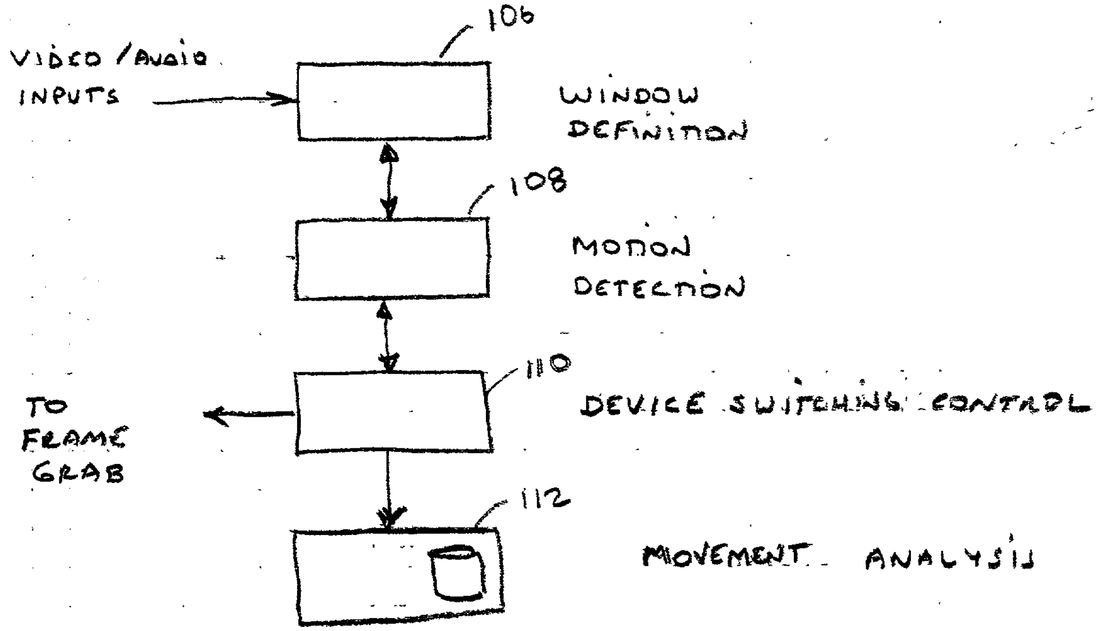


Fig 5

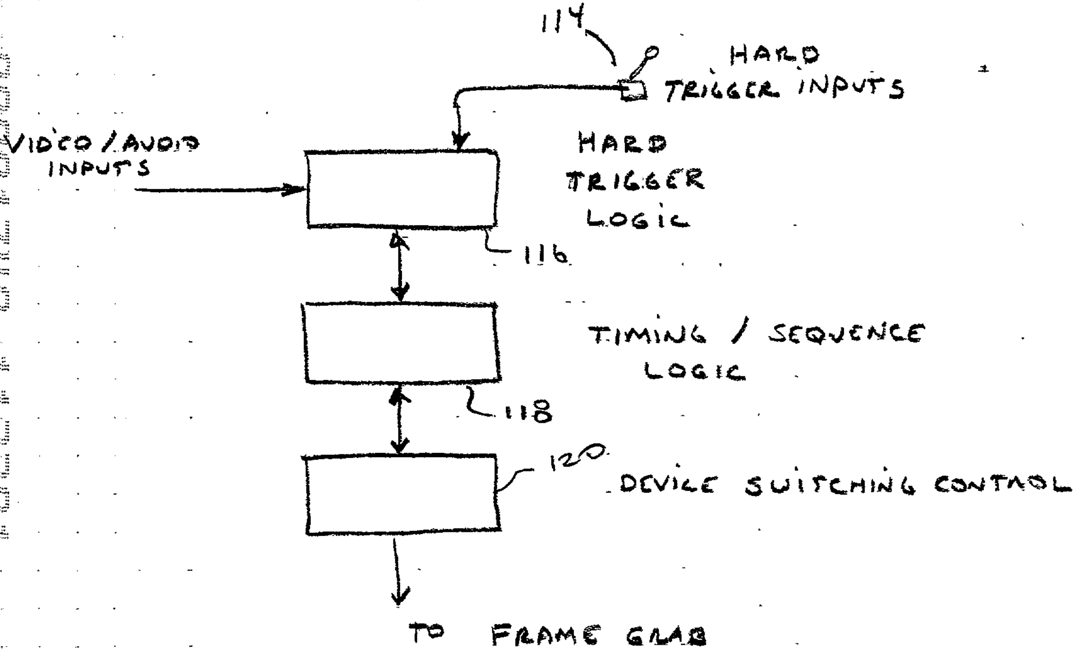
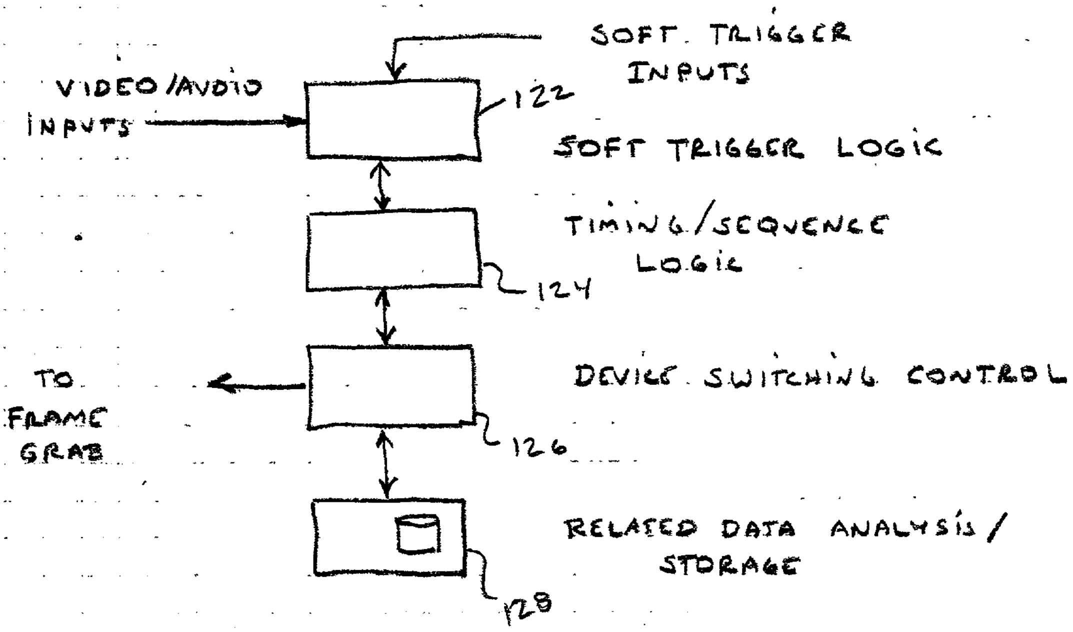


Fig 6

Fig 7



09991748 .112301

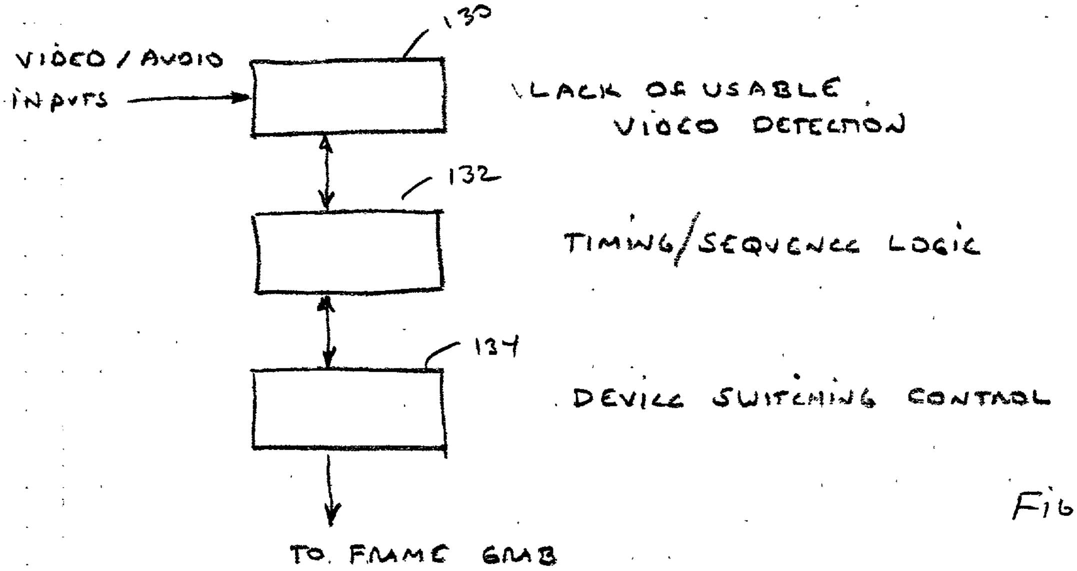


Fig 8

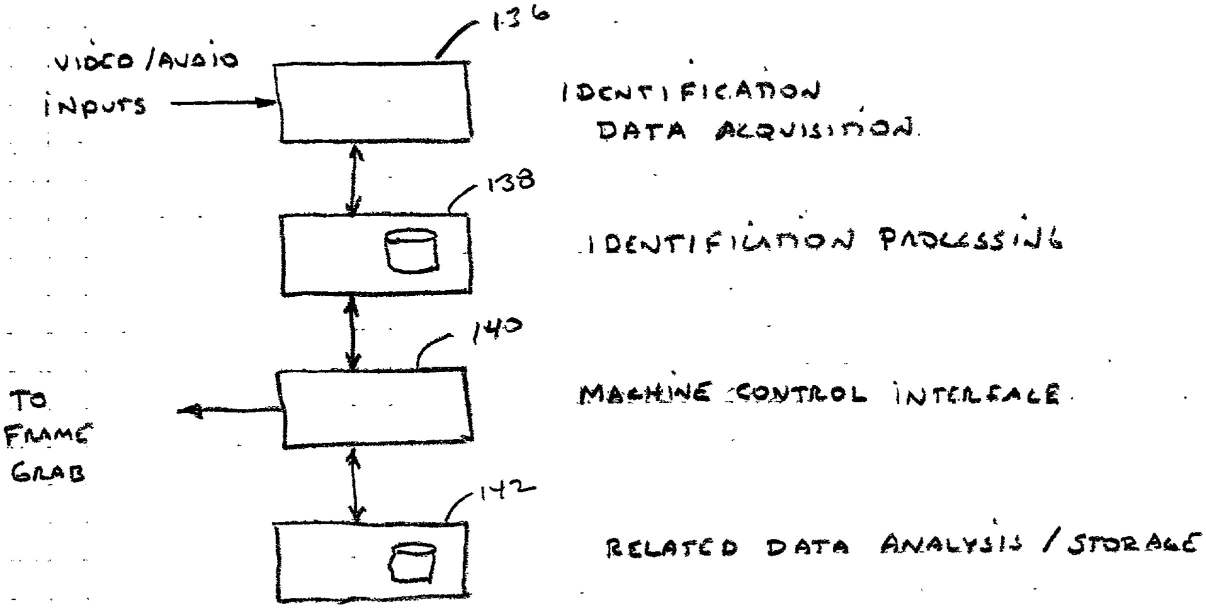

VIDEO /AUDIO INPUTS
136
IDENTIFICATION DATA ACQUISITION
138
IDENTIFICATION PROCESSING
140
MACHINE CONTROL INTERFACE
TO FRAME GRAB
142
RELATED DATA ANALYSIS / STORAGE

Fig 9

09991748 .112301

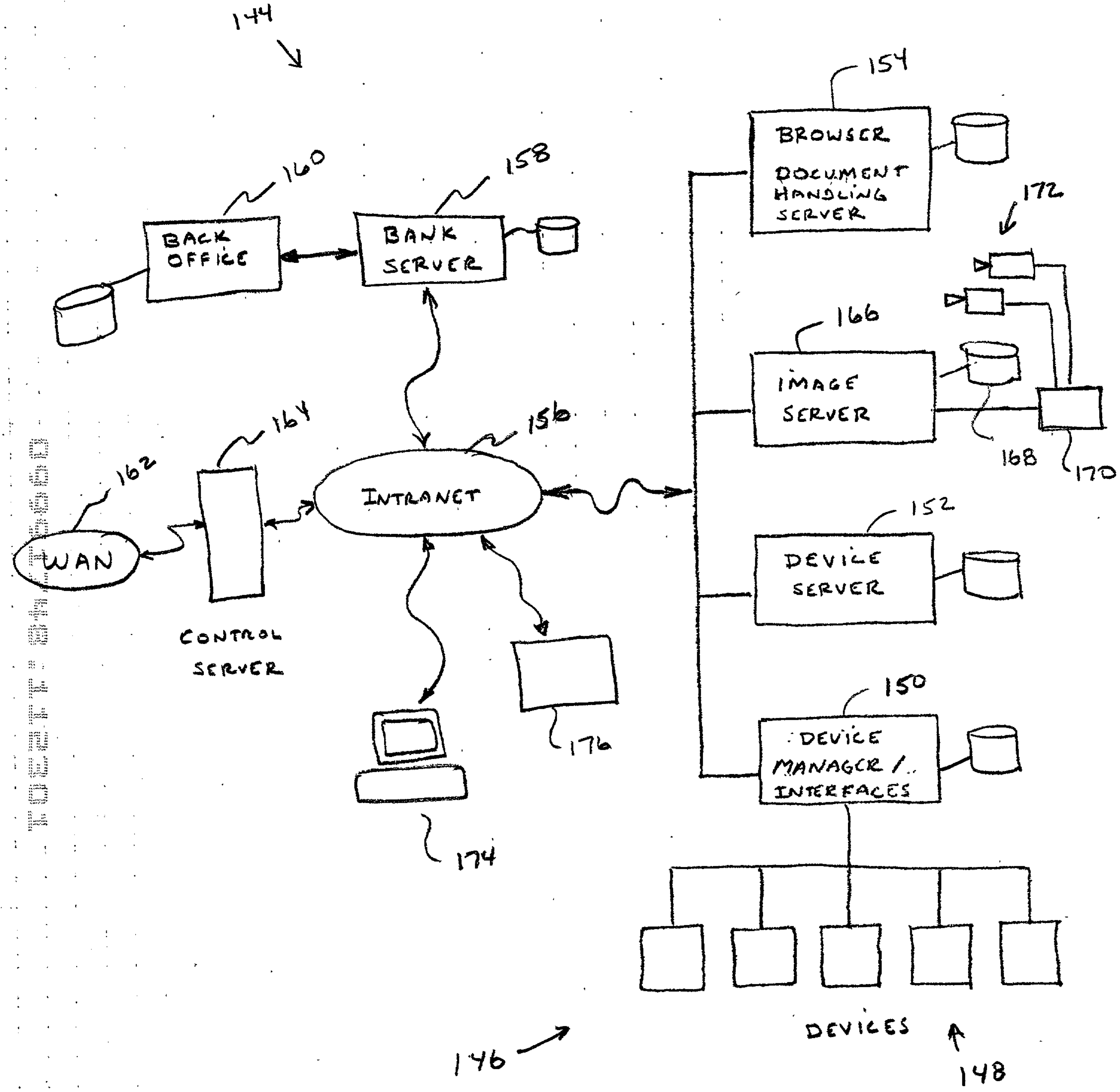

BACK OFFICE
BANK SERVER
BROWSER DOCUMENT HANDLING SERVER
IMAGE SERVER
WAN
INTRANET
DEVICE SERVER
CONTROL SERVER
DEVICE MANAGER / INTERFACES
DEVICES

Fig 10

10032711.842760

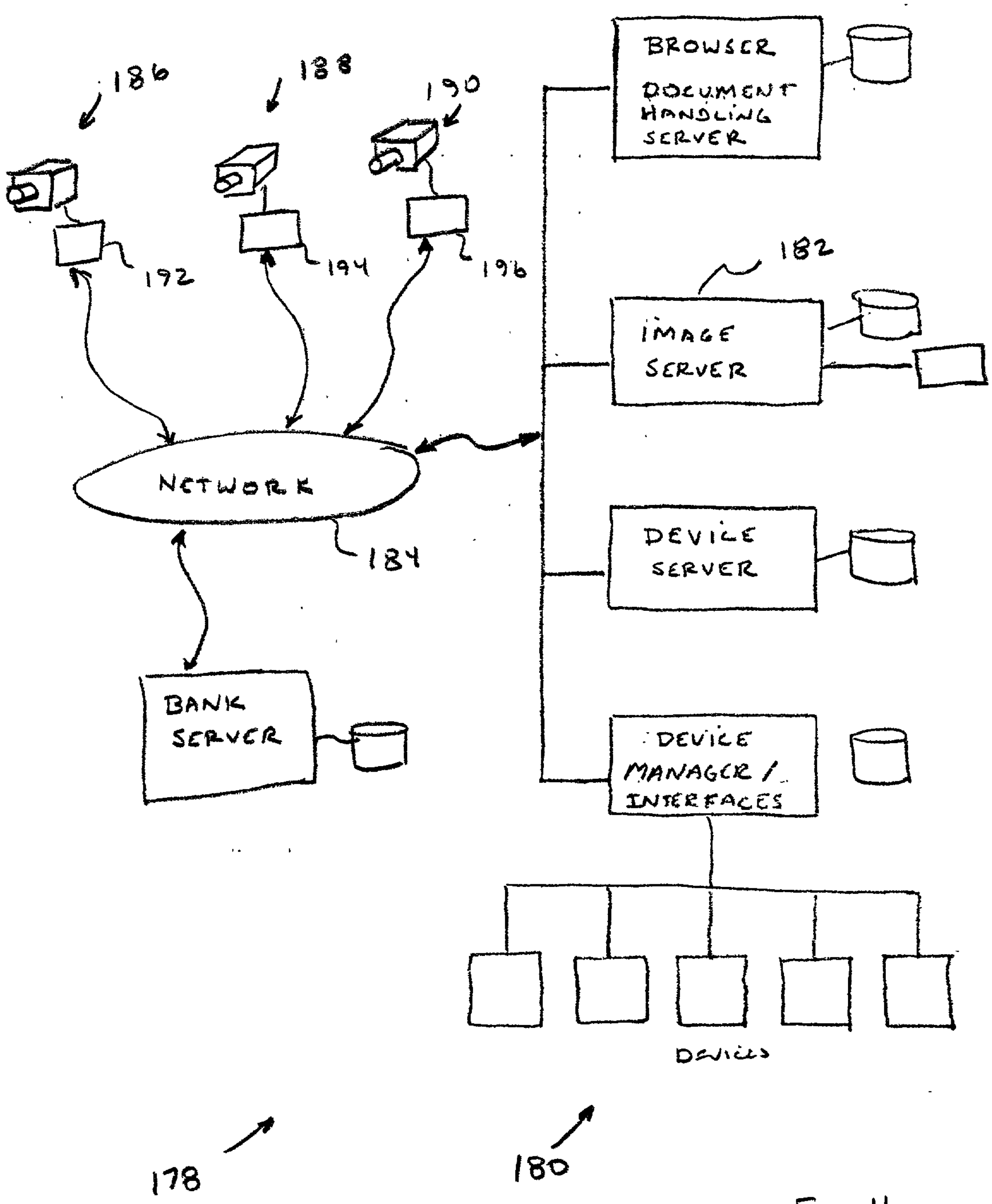
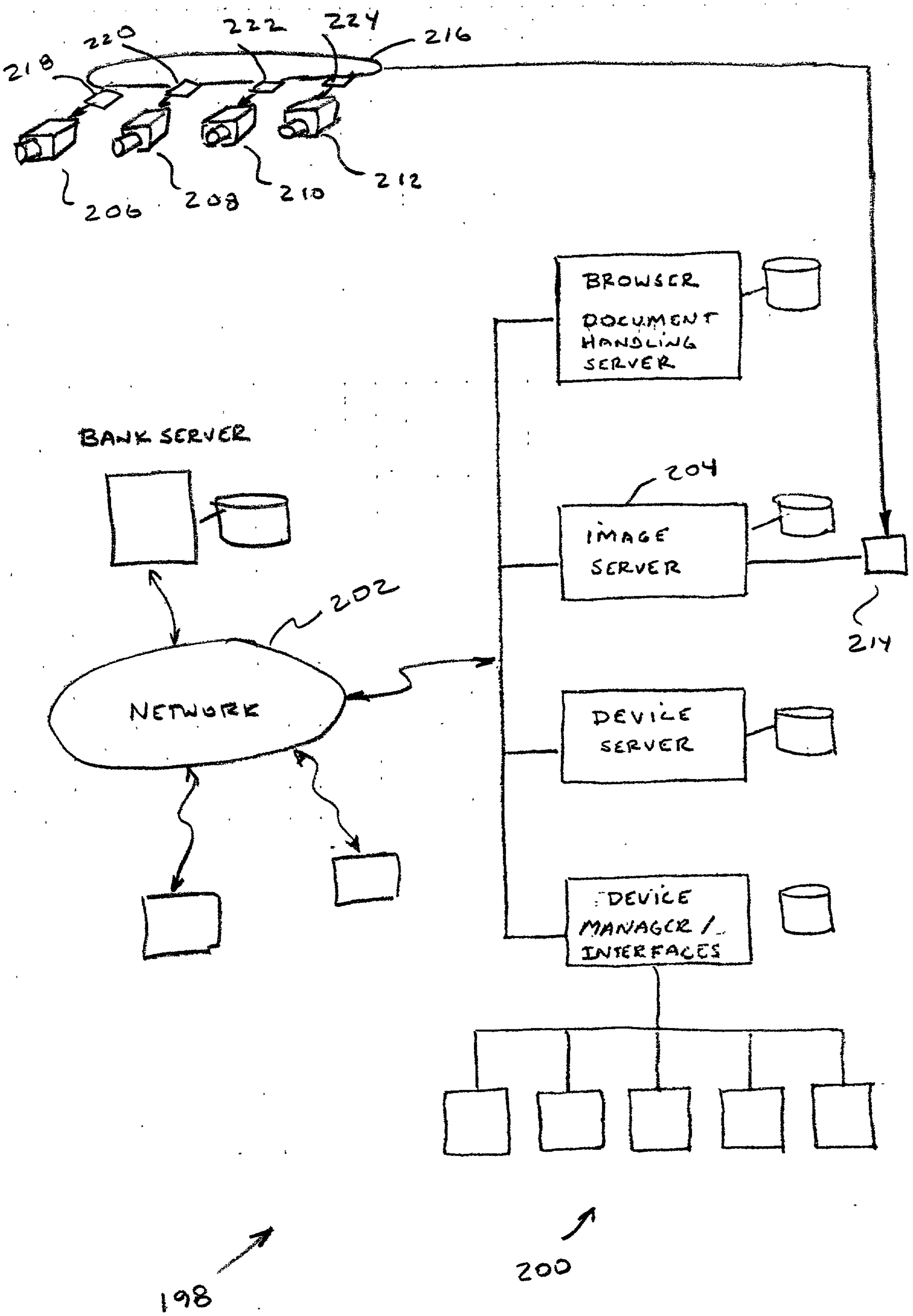


FIG 11



BROWSER
DOCUMENT HANDLING SERVER
BANK SERVER
IMAGE SERVER
NETWORK
DEVICE SERVER
DEVICE MANAGER / INTERFACES

FIG 12

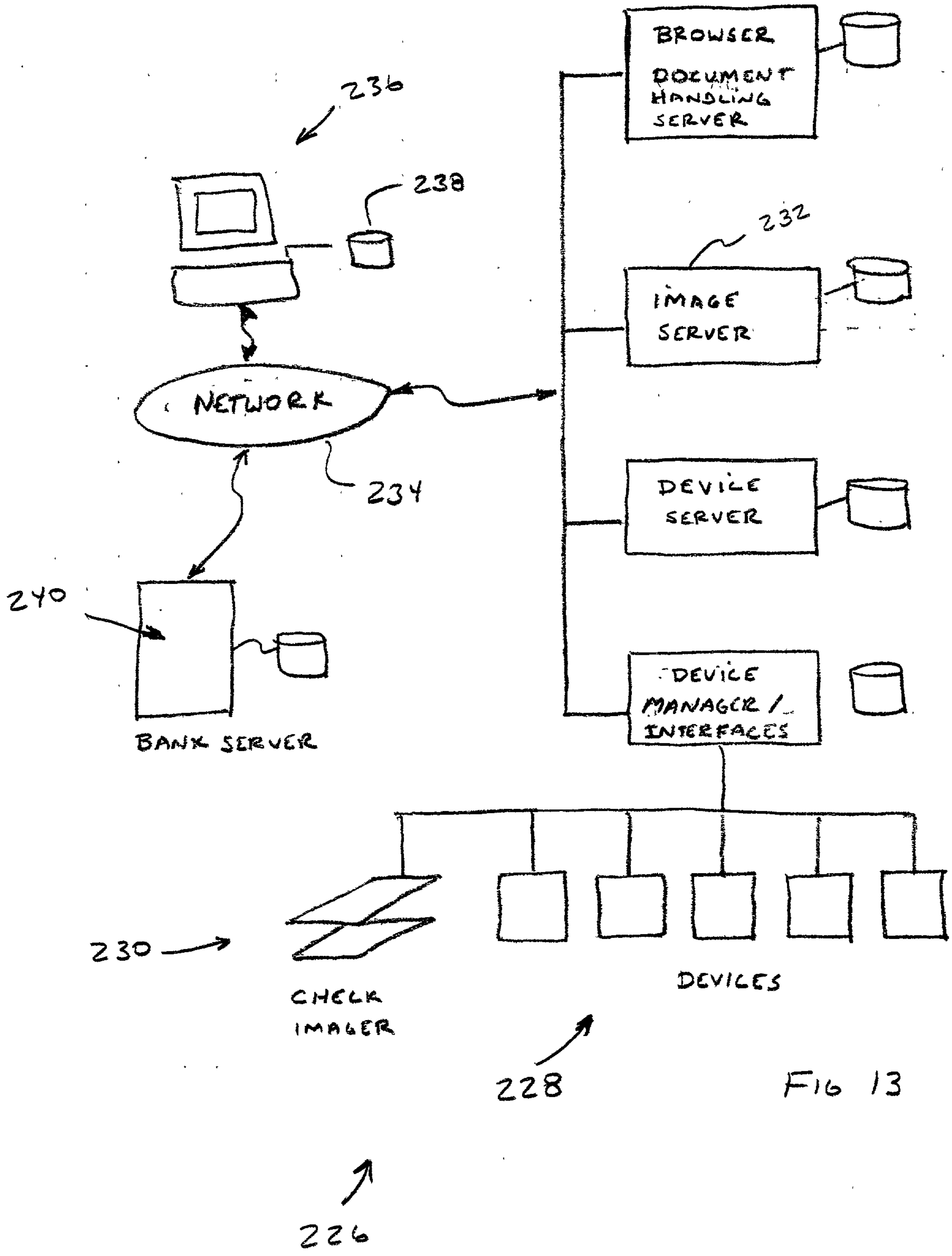

236
238
NETWORK
234
240
BANK SERVER
BROWSER DOCUMENT HANDLING SERVER
232
IMAGE SERVER
DEVICE SERVER
DEVICE MANAGER / INTERFACES
230
CHECK IMAGER
DEVICES
228
226

FIG 13

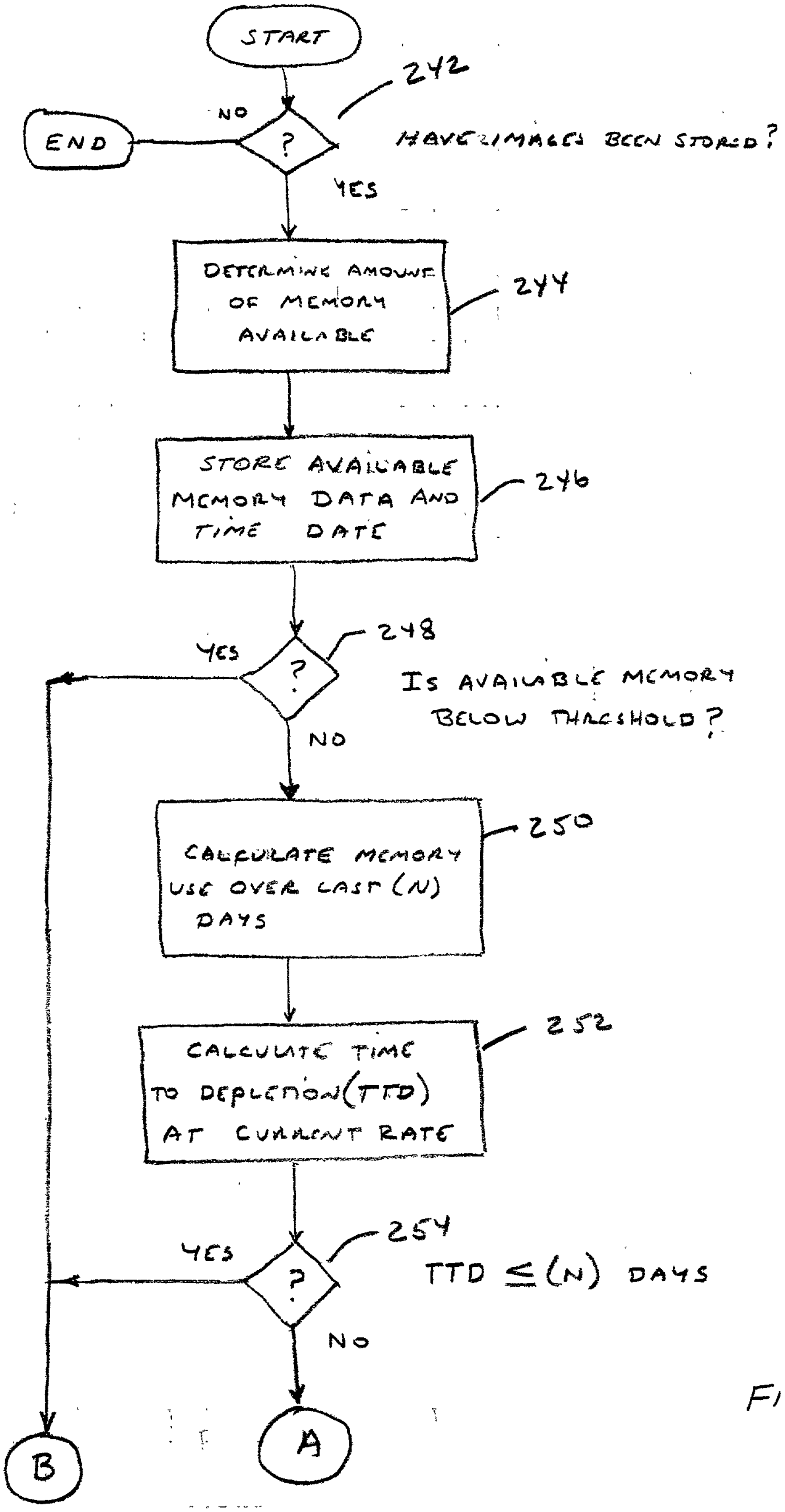

START
242
NO
END
?
HAVE IMAGES BEEN STORED?
YES
DETERMINE AMOUNT OF MEMORY AVAILABLE
244
STORE AVAILABLE MEMORY DATA AND TIME DATE
246
248
YES
?
IS AVAILABLE MEMORY BELOW THRESHOLD?
NO
CALCULATE MEMORY USE OVER LAST (N) DAYS
250
CALCULATE TIME TO DEPLETION (TTD) AT CURRENT RATE
252
254
YES
?
TTD ≤ (N) DAYS
NO
B
A

FIG 14

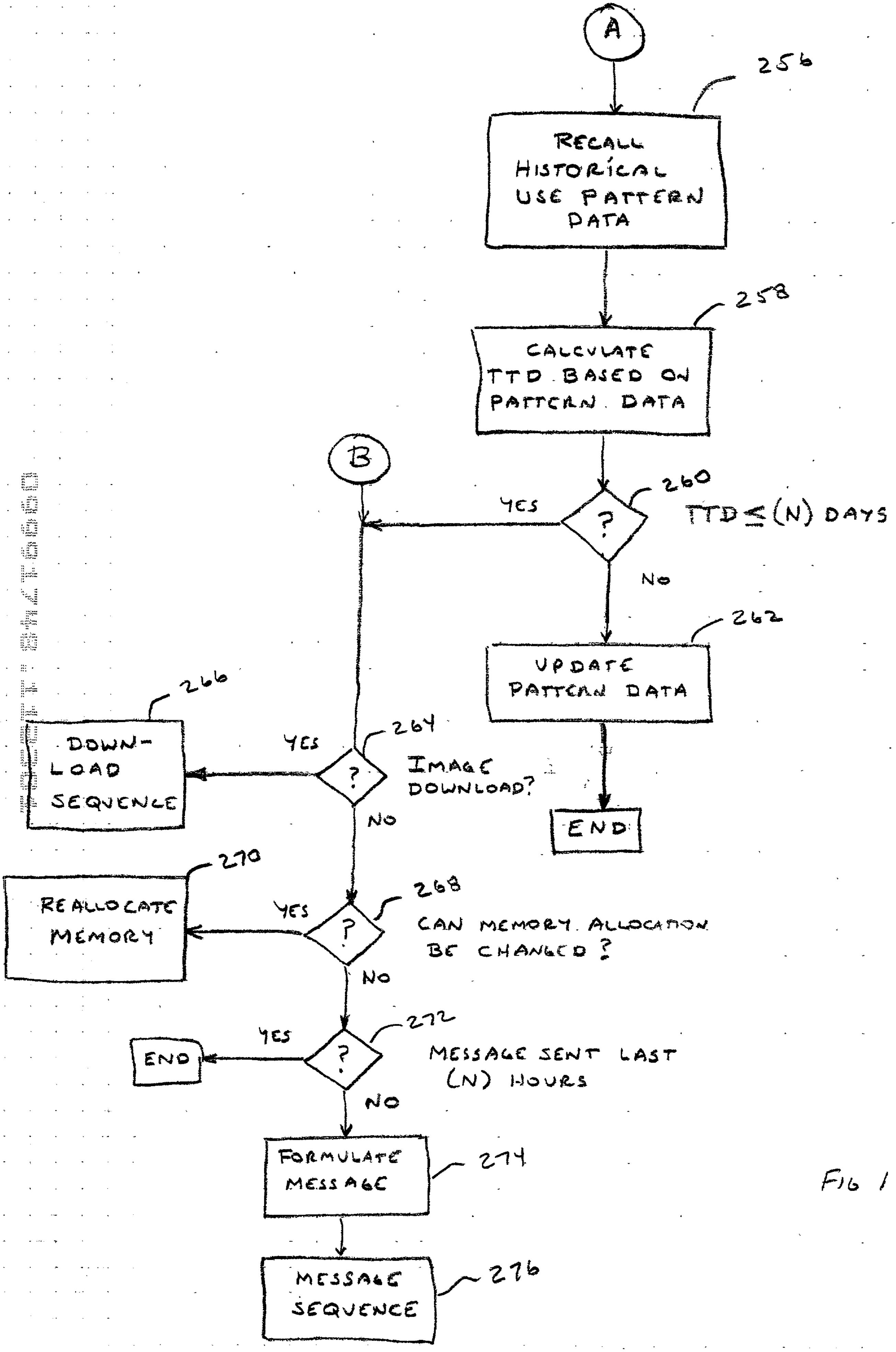

A
256
RECALL HISTORICAL USE PATTERN DATA
258
CALCULATE TTD BASED ON PATTERN DATA
B
YES
260
?
TTD ≤ (N) DAYS
NO
262
UPDATE PATTERN DATA
END
266
DOWN-LOAD SEQUENCE
YES
264
?
IMAGE DOWNLOAD?
NO
270
REALLOCATE MEMORY
YES
268
?
CAN MEMORY ALLOCATION BE CHANGED?
NO
YES
272
END
?
MESSAGE SENT LAST (N) HOURS
NO
FORMULATE MESSAGE
274
MESSAGE SEQUENCE
276

FIG 15

Menu Item	Description	Privileges		
		Admin.	Operator	Service
Image Search	Search for images stored on the hard disk drive of AccuTrack.	✓	✓	–
View Log Files	View the system's log files for diagnostics and log on activity.	✓	✓	✓
Camera Setup	Set up custom names for the cameras that are easily identifiable.	✓	–	–
E-mail Setup	Set up e-mail addresses for use in sequences. During sequences, you can automatically send a system-written message to the appropriate personnel.	✓	–	–
User Access Setup	Add, delete, and change user IDs, passwords, and access rights.	✓	–	–
ATM Setup	Set up the communications for any ATM connections.	✓	–	–
Sequence Setup	Set up sequences for normal camera routines and for alarms.	✓	–	–
Motion Setup	Define the areas for the cameras that detect motion.	✓	–	–
Image Removal	Delete selected old images on AccuTrack to make room for new images.	✓	–	–
Diagnostics	Check system diagnostics. Often used to troubleshoot the system.	✓	–	✓
Apply Changes	Apply all recent configuration changes made to the system. Note that during application of the changes, recording of images will temporarily be halted.	✓	–	✓
Help	Access to on-line help.	✓	✓	✓

278

Fig 16

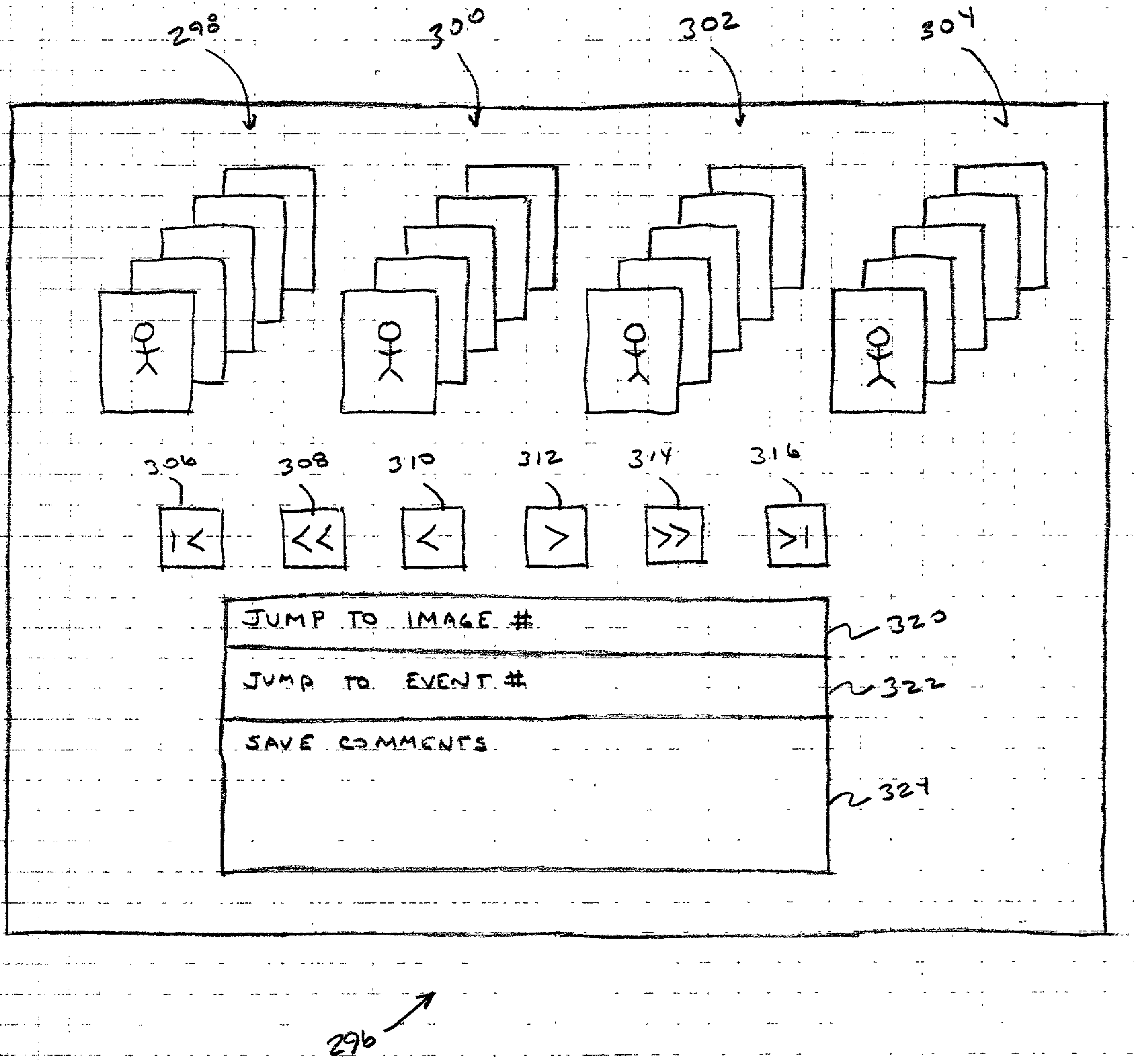


FIG 17

09991748.112301

Buttons	Description
|< >|	Use these buttons to go to the beginning or the end of a series of events or images (depending on the direction of the arrow).
<< >>	Use these buttons to go forward or backward by ten events or images (depending on the direction of the arrow).
< >	Use these buttons to go forward or backward by one event or image (depending on the direction of the arrow).
Jump to Image # Jump to Event #	Type the number of the image or event that you want to view, and click on this button to display that image as the large image. The image or event number displays next to each thumbnail frame (for example, Image 7 of 148).
Save Comments	To store comments with the image, type your comments in the comments field, and click on this button. The next time this image is retrieved, the comments display with the image.

↗ 318

Fig 18

09991748 .112301

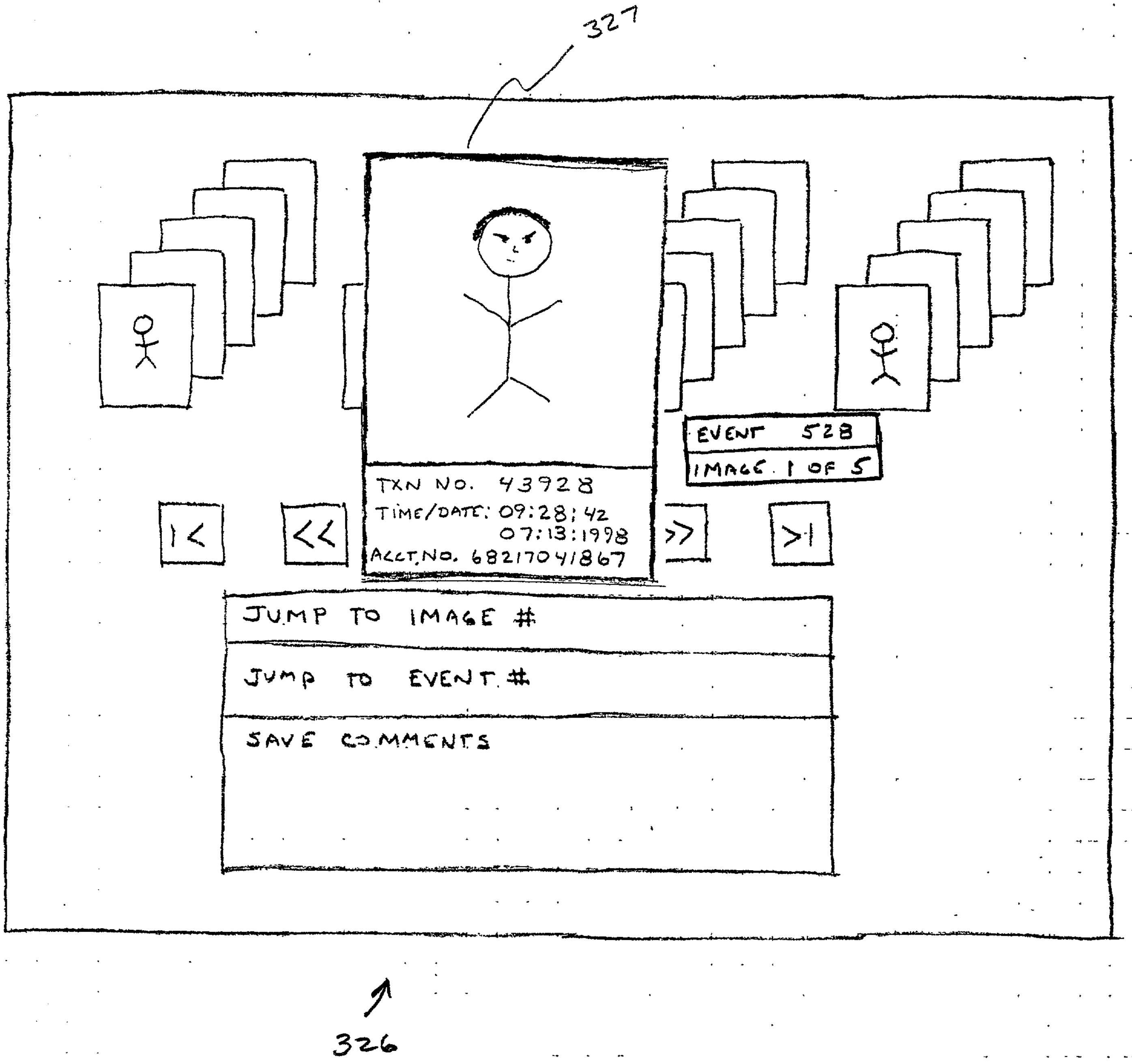
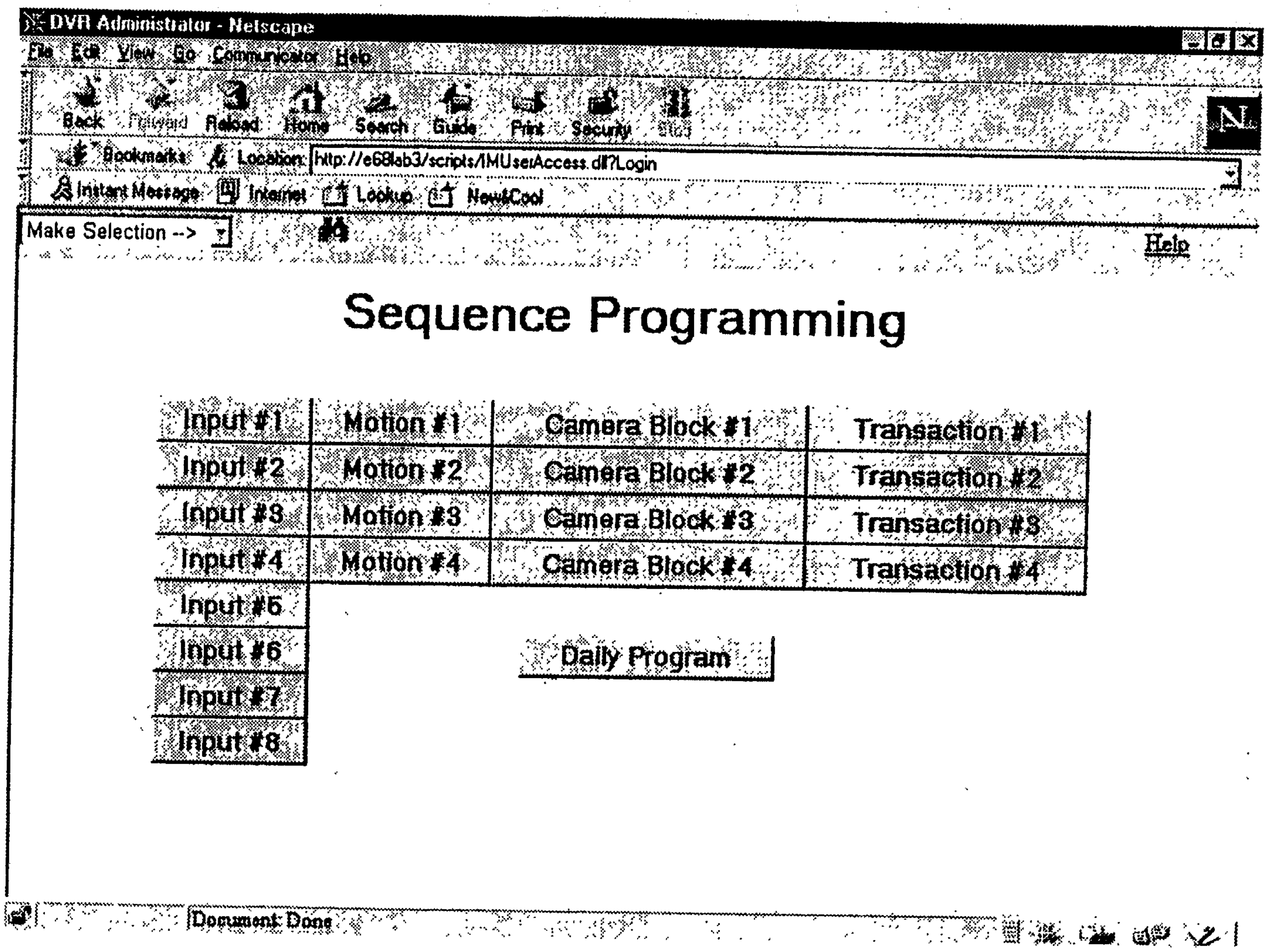

327
EVENT 528
IMAGE 1 OF 5
TXN NO. 43928
TIME/DATE: 09:28:42
07:13:1998
ACCT.NO. 6821704/867
|<
<<
>>
>|
JUMP TO IMAGE #
JUMP TO EVENT #
SAVE COMMENTS
326

FIG 19



http://e68lab3/scripts/IMUserAccess.dll?Login

Sequence Programming

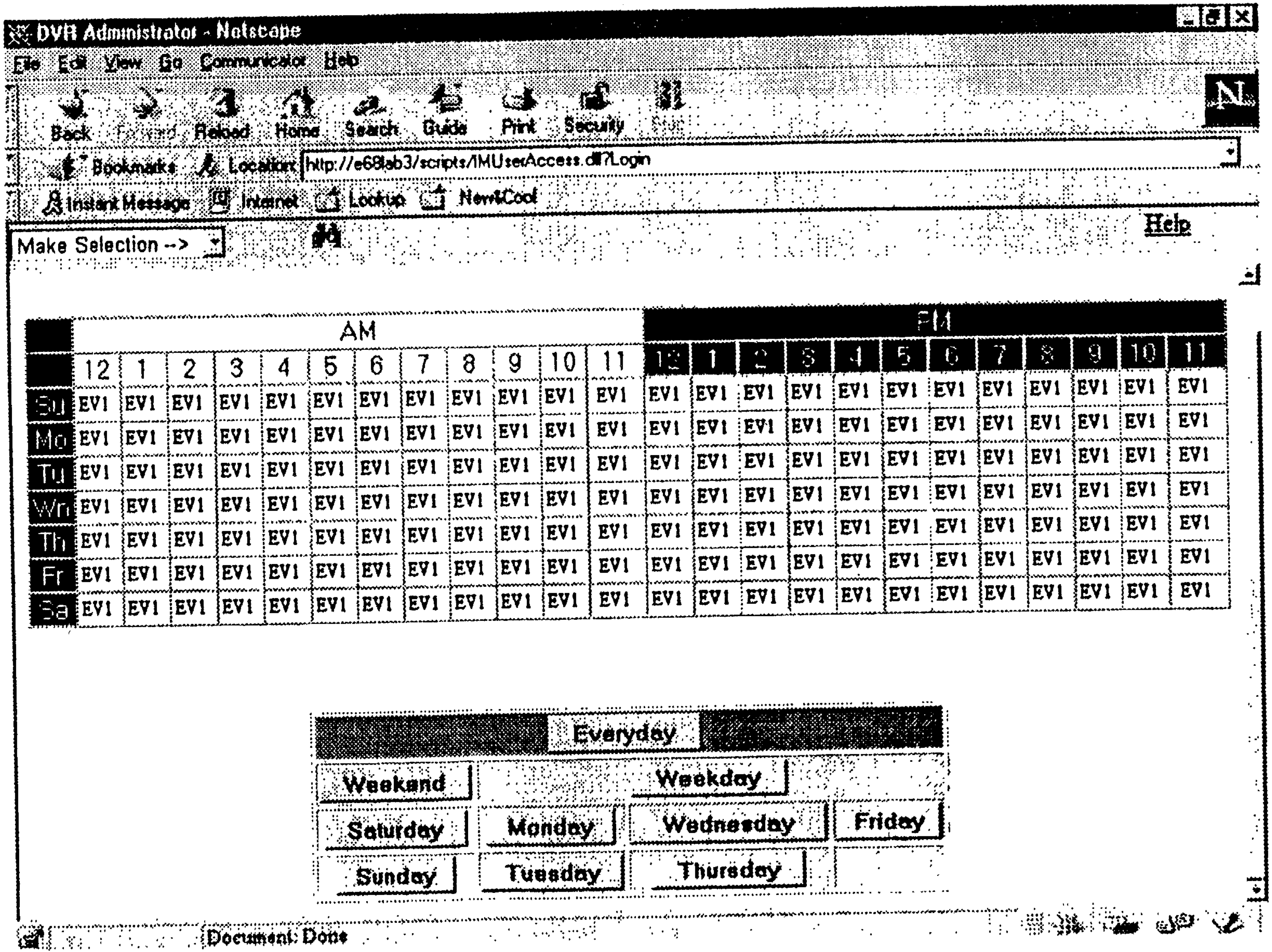
Input #1	Motion #1	Camera Block #1	Transaction #1
Input #2	Motion #2	Camera Block #2	Transaction #2
Input #3	Motion #3	Camera Block #3	Transaction #3
Input #4	Motion #4	Camera Block #4	Transaction #4
Input #5			
Input #6			
Input #7			
Input #8			

Daily Program

280

FIG 20

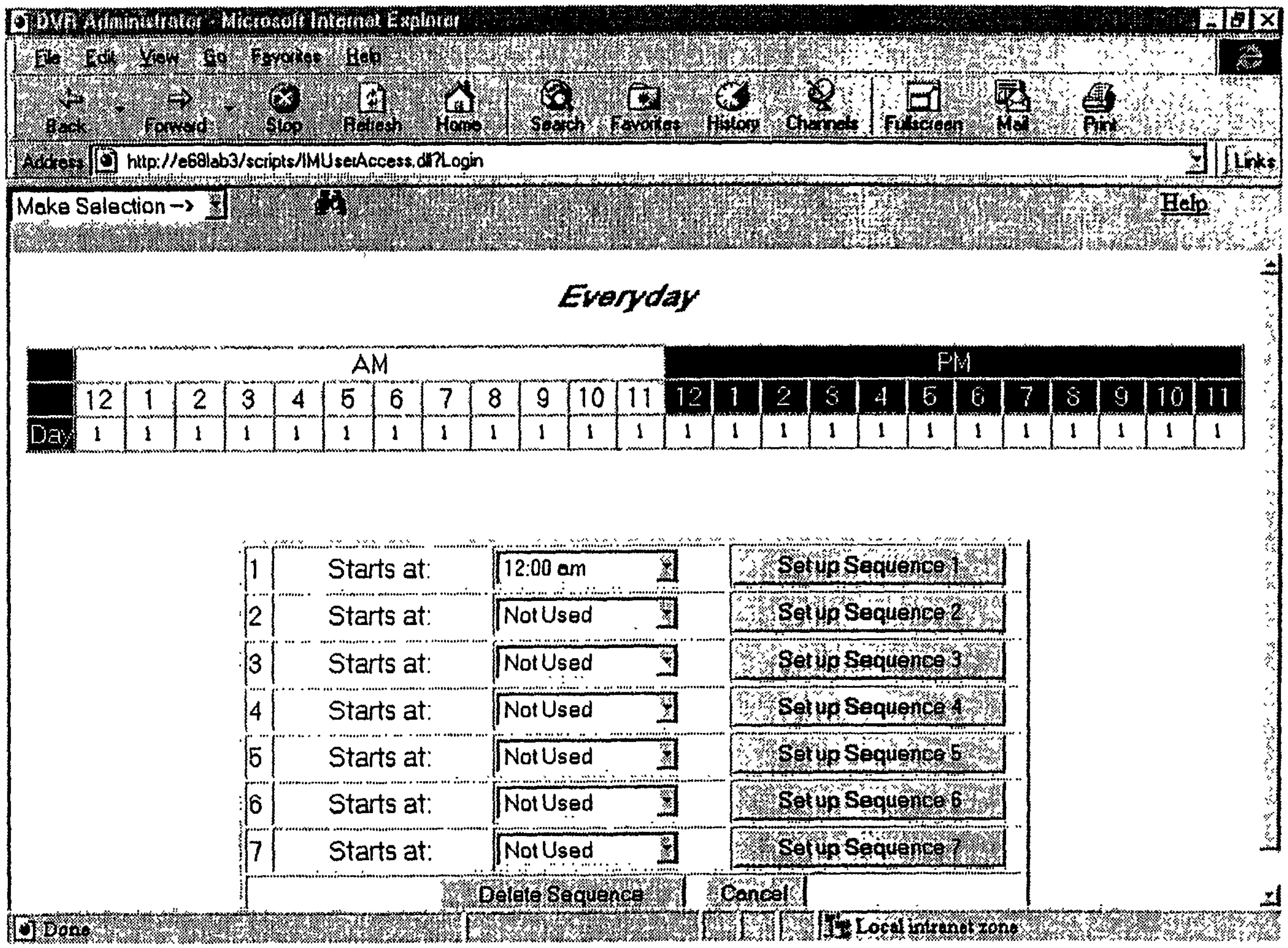
09991748.112301


DVR Administrator - Netscape
File Edit View Go Communicator Help
Back Forward Reload Home Search Guide Print Security Stop
Bookmarks Location: http://e68lab3/scripts/IMUserAccess.dll?Login
Instant Message Internet Lookup New&Cool
Make Selection -->
Help
Document: Done

	AM												PM											
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
Su	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1
Mo	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1
Tu	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1
We	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1
Th	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1
Fr	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1
Sa	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1

282

FIG 21


DVR Administrator - Microsoft Internet Explorer
File Edit View Go Favorites Help
Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print
Address http://e68lab3/scripts/IMUserAccess.dll?Login
Links
Make Selection -->
Help
Delete Sequence
Cancel
Done
Local intranet zone

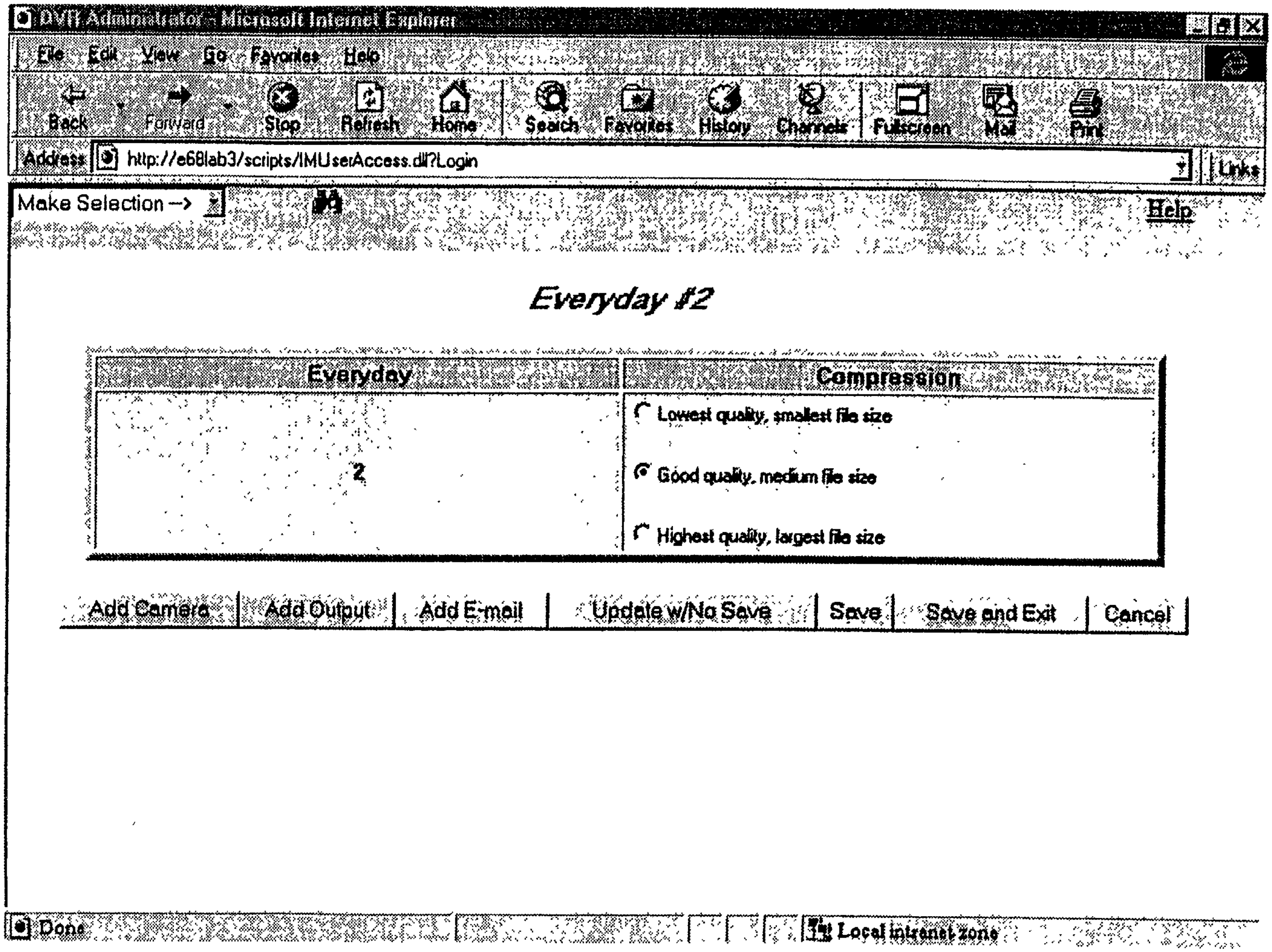
Everyday

	AM												PM											
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
Day	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

1	Starts at:	12:00 am	Set up Sequence 1
2	Starts at:	Not Used	Set up Sequence 2
3	Starts at:	Not Used	Set up Sequence 3
4	Starts at:	Not Used	Set up Sequence 4
5	Starts at:	Not Used	Set up Sequence 5
6	Starts at:	Not Used	Set up Sequence 6
7	Starts at:	Not Used	Set up Sequence 7

284

FIG 22



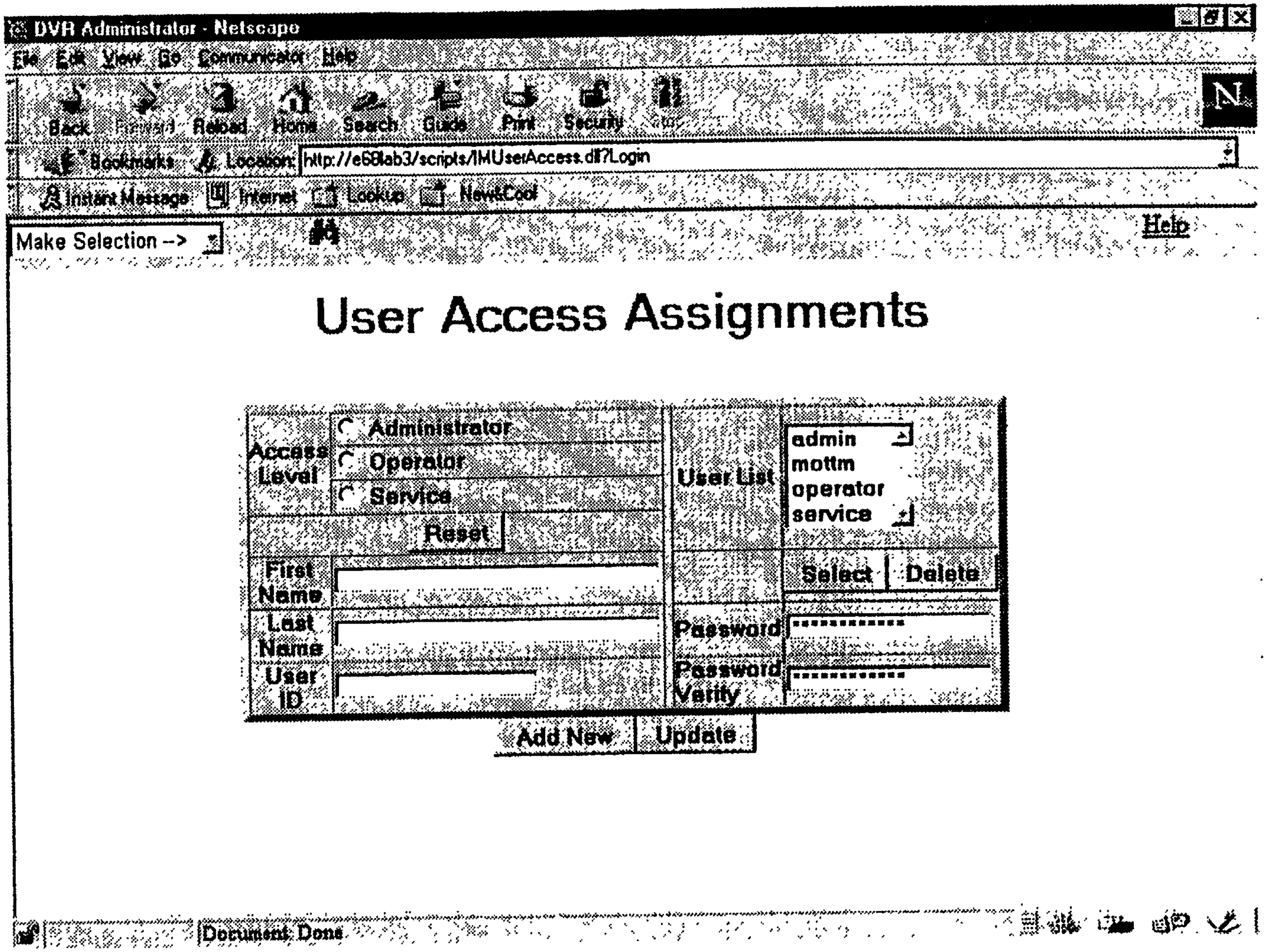
http://e68lab3/scripts/IMUserAccess.dll?Login

Everyday #2

Everyday	Compression
2	○ Lowest quality, smallest file size ● Good quality, medium file size ○ Highest quality, largest file size

286

FIG 23



DVR Administrator - Netscape
File Edit View Go Communicator Help
Back Forward Reload Home Search Guide Print Security Stop
Bookmarks Location: http://e68lab3/scripts/IMUserAccess.dll?Login
Instant Message Internet Lookup New&Cool
Make Selection -->
Help

User Access Assignments

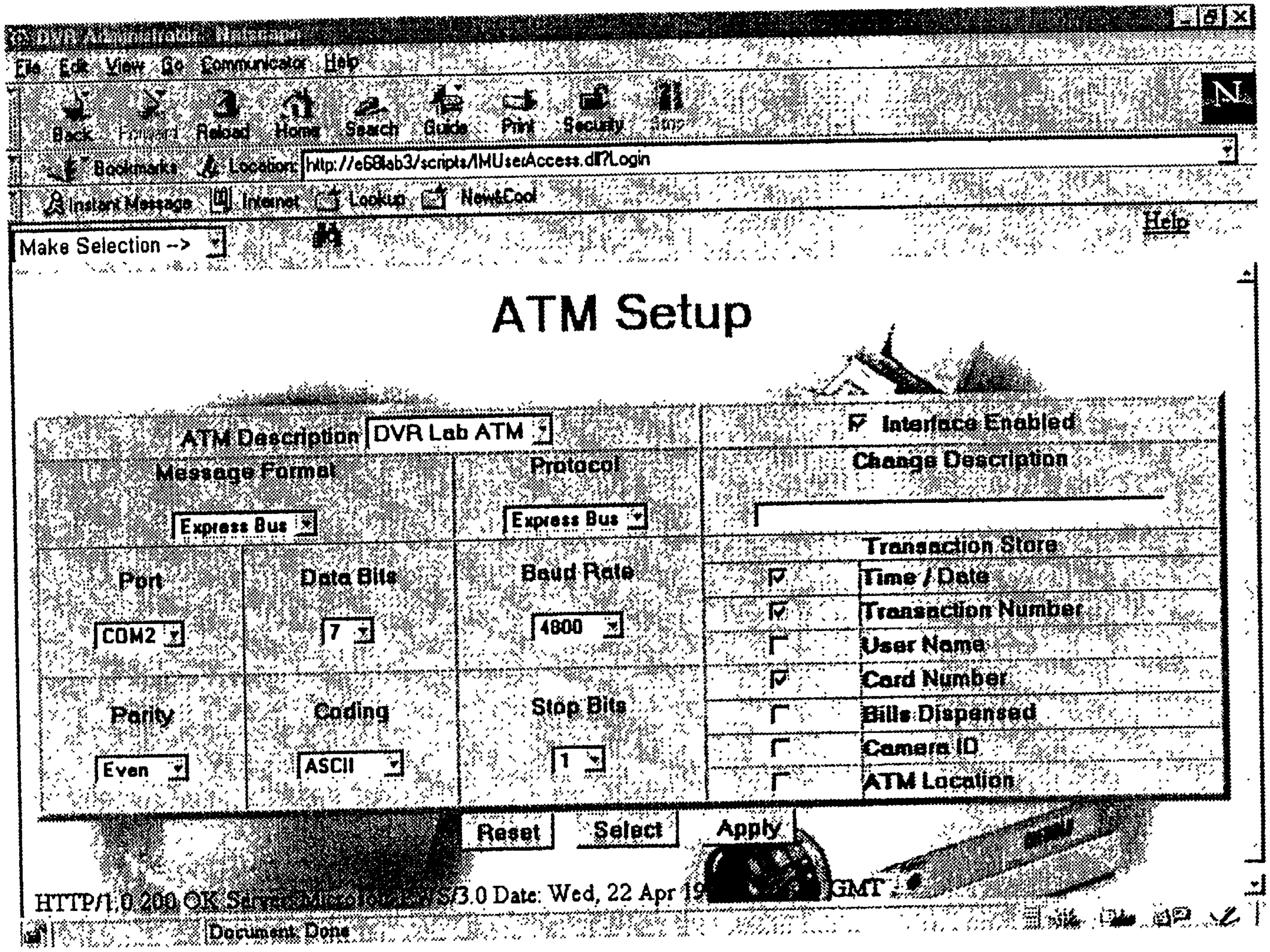
Access Level	○ Administrator ○ Operator ○ Service	User List	admin mottm operator service
	Reset		Select Delete
First Name		Password	************
Last Name		Password Verify	************
User ID			

Add New
Update
Document: Done

294

FIG 24

09991748.112301


DVR Administrator - Netscape
File Edit View Go Communicator Help
Back Forward Reload Home Search Guide Print Security Stop
Bookmarks Location: http://e68lab3/scripts/IMUserAccess.dll?Login
Instant Message Internet Lookup New&Cool
Make Selection -->
Help

ATM Setup

ATM Description: DVR Lab ATM

☑ Interface Enabled

Message Format: Express Bus		Protocol: Express Bus	Change Description
Port: COM2	Data Bits: 7	Baud Rate: 4800	
Parity: Even	Coding: ASCII	Stop Bits: 1	

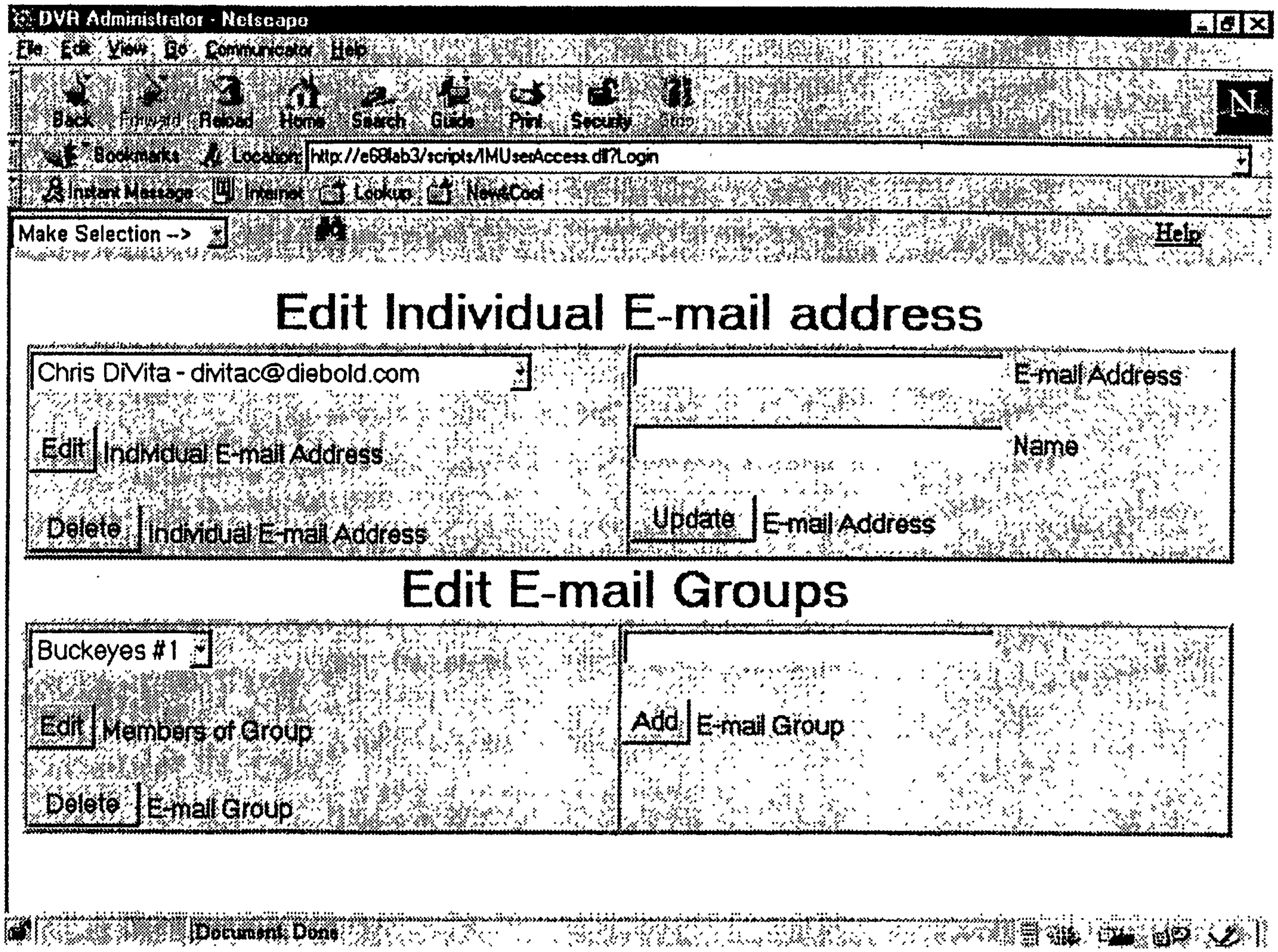
Transaction Store

☑	Time / Date
☑	Transaction Number
☐	User Name
☑	Card Number
☐	Bills Dispensed
☐	Camera ID
☐	ATM Location

HTTP/1.0 200 OK Server:Microsoft-IIS/3.0 Date: Wed, 22 Apr 19 GMT

288

FIG 25


DVR Administrator - Netscape
File Edit View Go Communicator Help
Back Forward Reload Home Search Guide Print Security Stop
Bookmarks Location: http://e68lab3/scripts/IMUserAccess.dll?Login
Instant Message Internet Lookup New&Cool
Make Selection -->
Help

Edit Individual E-mail address

Chris DiVita - divitac@diebold.com

Edit Individual E-mail Address
Delete Individual E-mail Address
E-mail Address
Name
Update E-mail Address

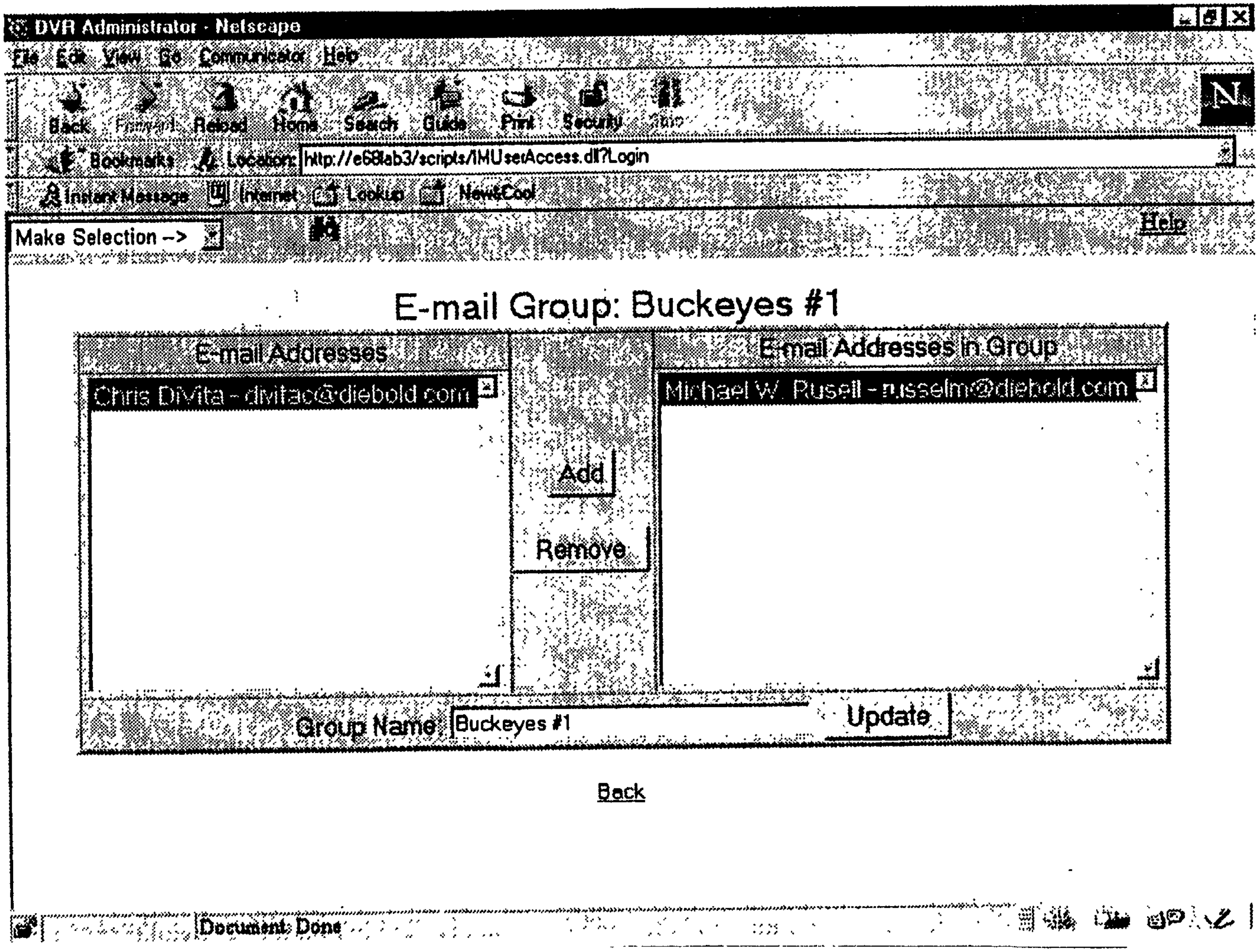
Edit E-mail Groups

Buckeyes #1

Edit Members of Group
Delete E-mail Group
Add E-mail Group
Document: Done
290

FIG 26

09991748.112201



DVR Administrator - Netscape
File Edit View Go Communicator Help
Back Forward Reload Home Search Guide Print Security Stop
Bookmarks Location: http://e68lab3/scripts/IMUserAccess.dll?Login
Instant Message Internet Lookup New&Cool
Make Selection -->
Help
Add
Remove
Update
Back
Document: Done

E-mail Group: Buckeyes #1

E-mail Addresses	E-mail Addresses in Group
Chris DiVita - divitac@diebold.com	Michael W. Rusell - russelm@diebold.com

Group Name: Buckeyes #1

↗
292

FIG 27

09931748 .112301

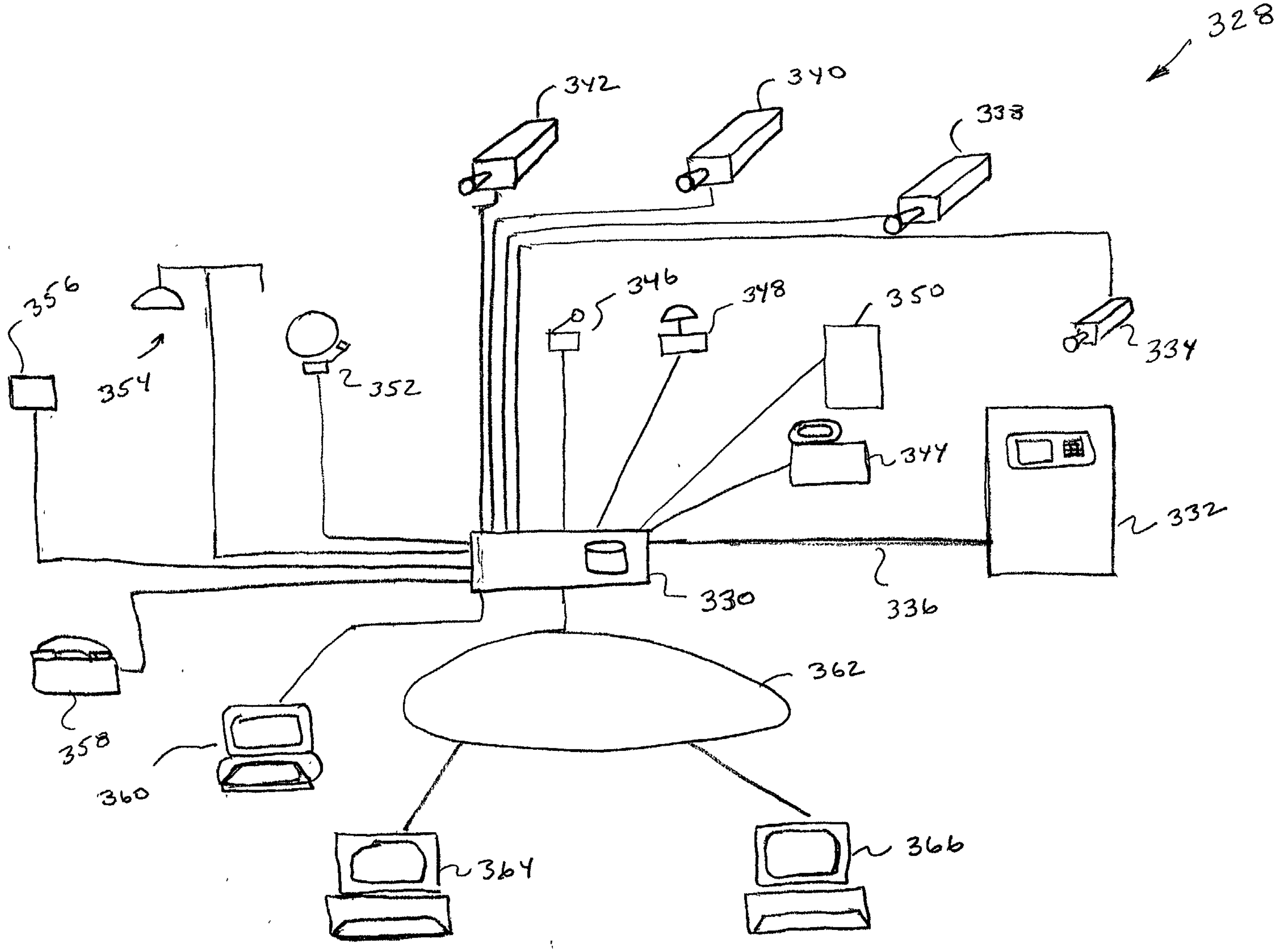


Fig 28

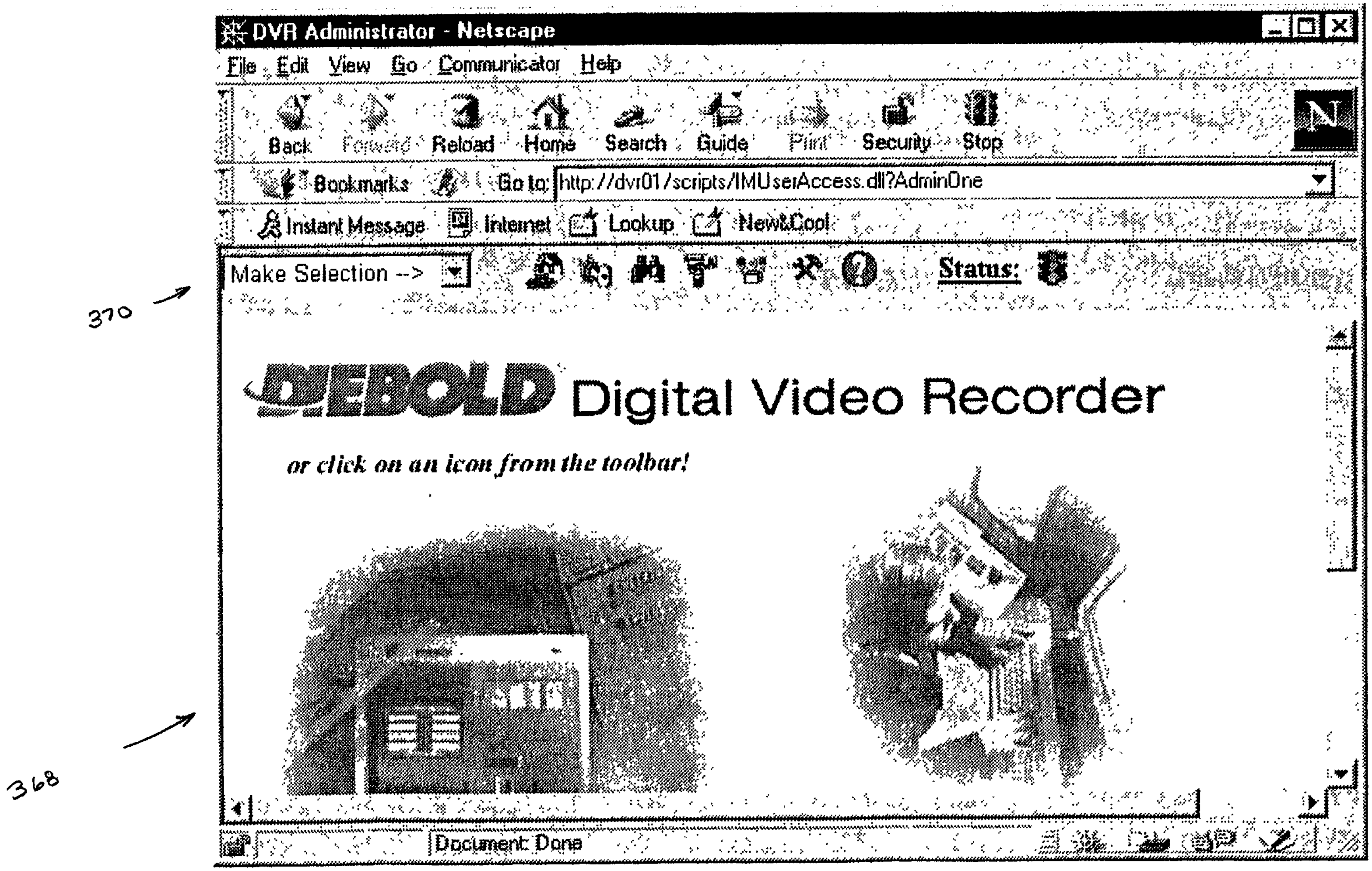
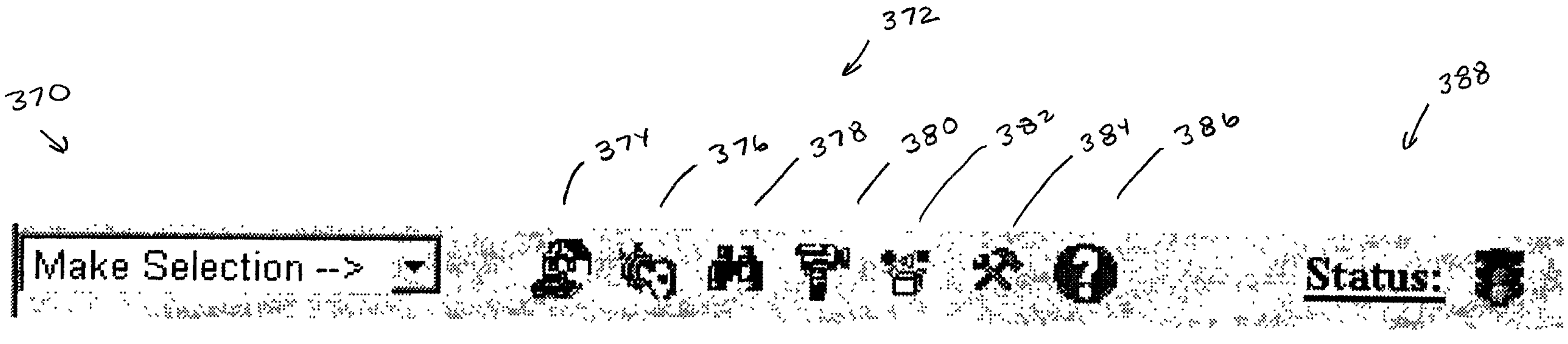

DVR Administrator - Netscape
File Edit View Go Communicator Help
Back Forward Reload Home Search Guide Print Security Stop
Bookmarks
Go to: http://dvr01/scripts/IMUserAccess.dll?AdminOne
Instant Message Internet Lookup New&Cool
Make Selection -->
Status:
DIEBOLD Digital Video Recorder
or click on an icon from the toolbar!
Document: Done
370
368

FIG 29

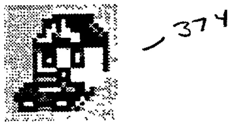
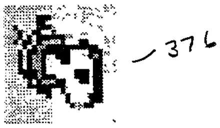
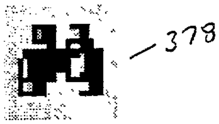
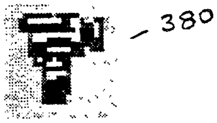
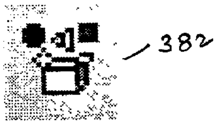
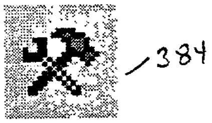
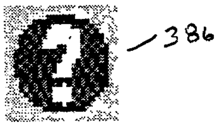
T0E2TT" 8hLT6660



Toolbar (administrator access level)

Fig 30

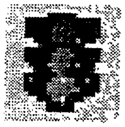
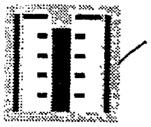
AccuTrack Toolbar Items

ITEM	NAME	COMMENTS
MENU BOX [1]		
Make Selection --> ▼	Menu box with drop-down arrow	Click on the drop-down arrow for a list of main menu items. The access level of the user determines the displayed menus items.
MAIN MENU ICONS [1]		
	Home icon	Click on the Home icon to go to the AccuTrack home page.
	Logoff icon	Click on the Logoff icon to log off AccuTrack. The AccuTrack logon page re-displays.
	Perform Image Search icon	Click on the Perform Image Search icon (binoculars) to access the Image Search function.
	Camera Check icon	Click on the Camera Check icon to access the Camera Check function.
	System Configuration icon	Click on the System Configuration icon to display the DVR System Config submenu in a menu panel on the left side of the page.
	DVR System Tools icon	Click on the tools icon to display the DVR Tools submenu in a menu panel on the left side of the page. See
	Help icon	Click on the Help menu to display on-line help.

↗
372

FIG 31

AccuTrack Toolbar Items (continued)

ITEM	NAME	COMMENTS
STATUS [2]		
Status: 388	Display status warning messages	Toggle (click once to turn off and click again to turn on) on the word Status to display status warning messages in a pop-up dialog box.
 390	Green light status icon	AccuTrack is capturing images properly.
 392	Thermometer status icon	AccuTrack is nearing maximum storage capacity and not storing images. The disk is full.
394	Yellow hand (caution) status icon	AccuTrack is running with errors. Check the diagnostics log file for more information.
396	Red diskette status icon	Pending changes have not been applied.
398	Stop sign status icon	An application error has occurred. Check the diagnostics log file for more information. **NOTE** • This icon may display temporarily if you attempt to use AccuTrack while AccuTrack is applying changes. Wait a few moments and then try again. • If you are logged on from a remote PC, this icon may indicate a communications problem. AccuTrack may still be functioning correctly.

[1] Each main menu icon is represented by text in the drop-down menu. Click on a main menu icon or select from the drop-down menu to access the menu option.

[2] The current status icon displays each time you refresh your Web page or navigate to a new AccuTrack page. *Sometimes* AccuTrack updates the status icon while you remain on the same AccuTrack page.

FIG 32

09991748.112301

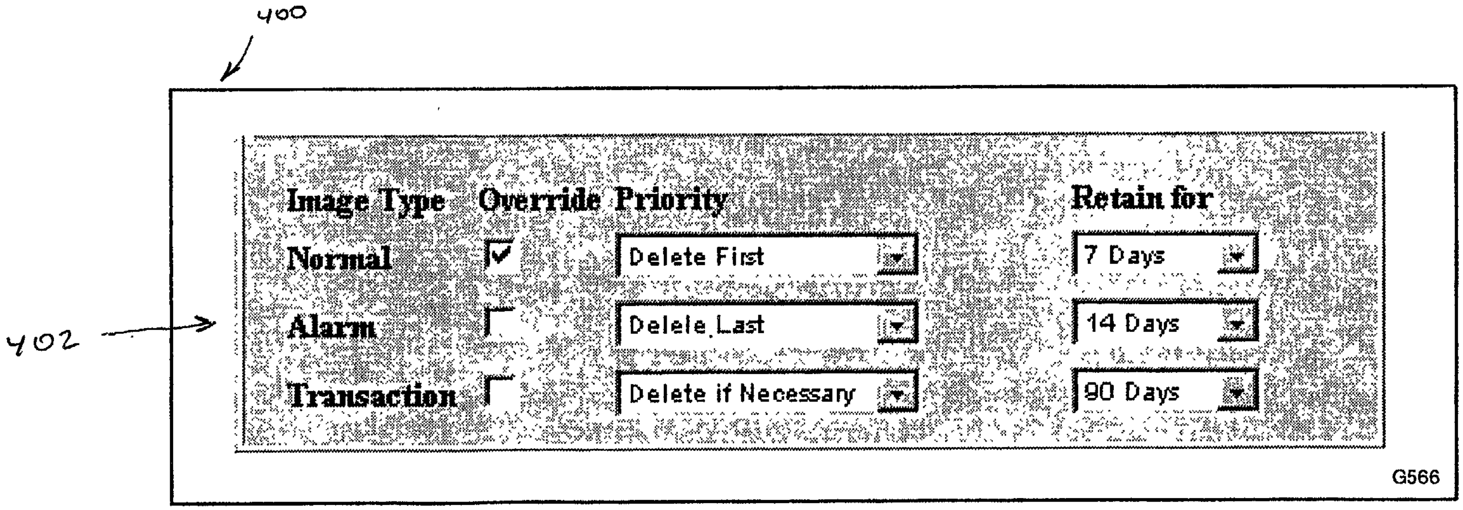
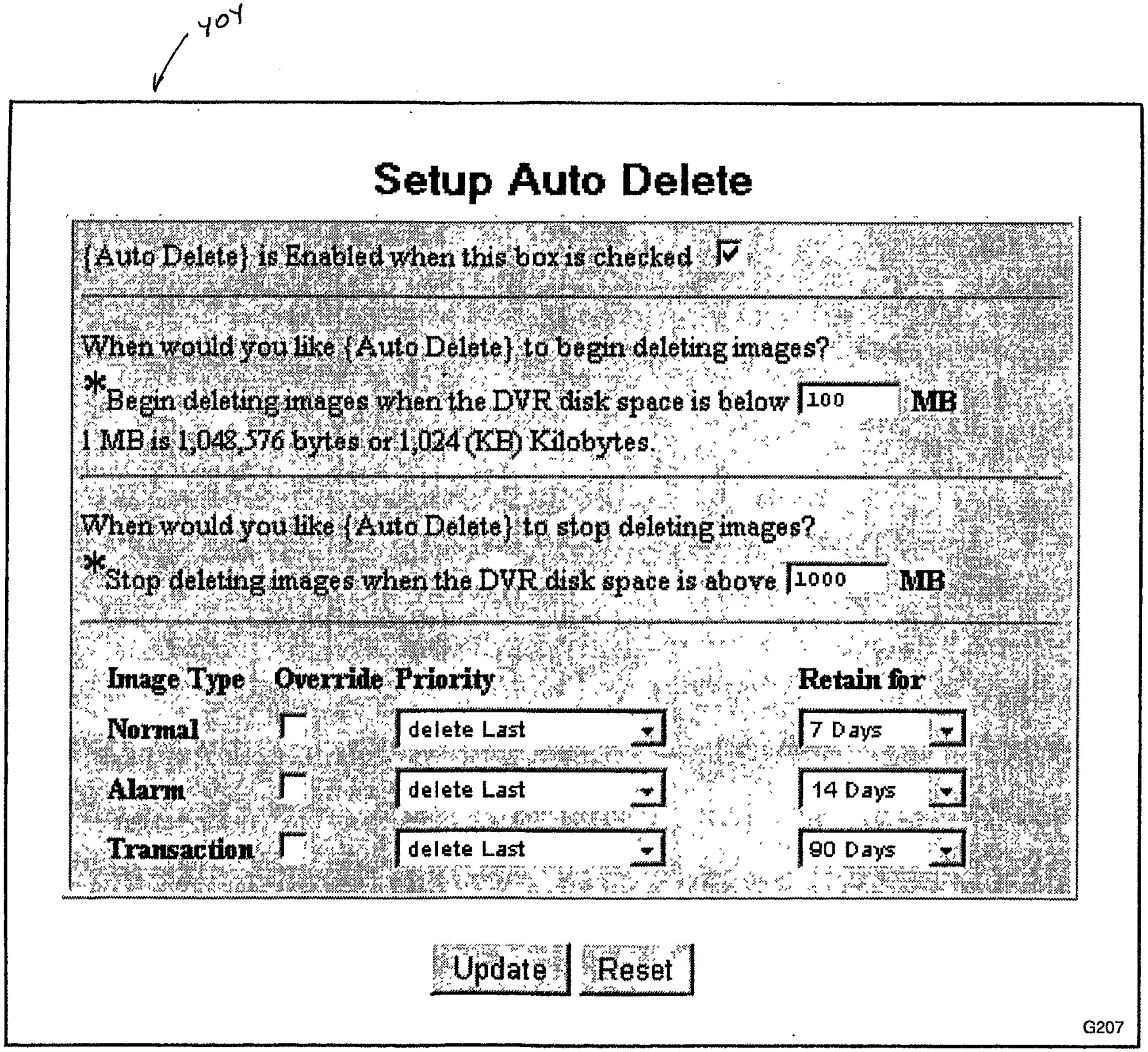


Image Type	Override	Priority	Retain for
Normal	☑	Delete First	7 Days
Alarm	☐	Delele Last	14 Days
Transaction	☐	Delete if Necessary	90 Days

Example of Auto Delete Settings for Image Types

FIG 33



Setup Auto Delete

{Auto Delete} is Enabled when this box is checked ☑

When would you like {Auto Delete} to begin deleting images?

*Begin deleting images when the DVR disk space is below 100 MB

1 MB is 1,048,576 bytes or 1,024 (KB) Kilobytes.

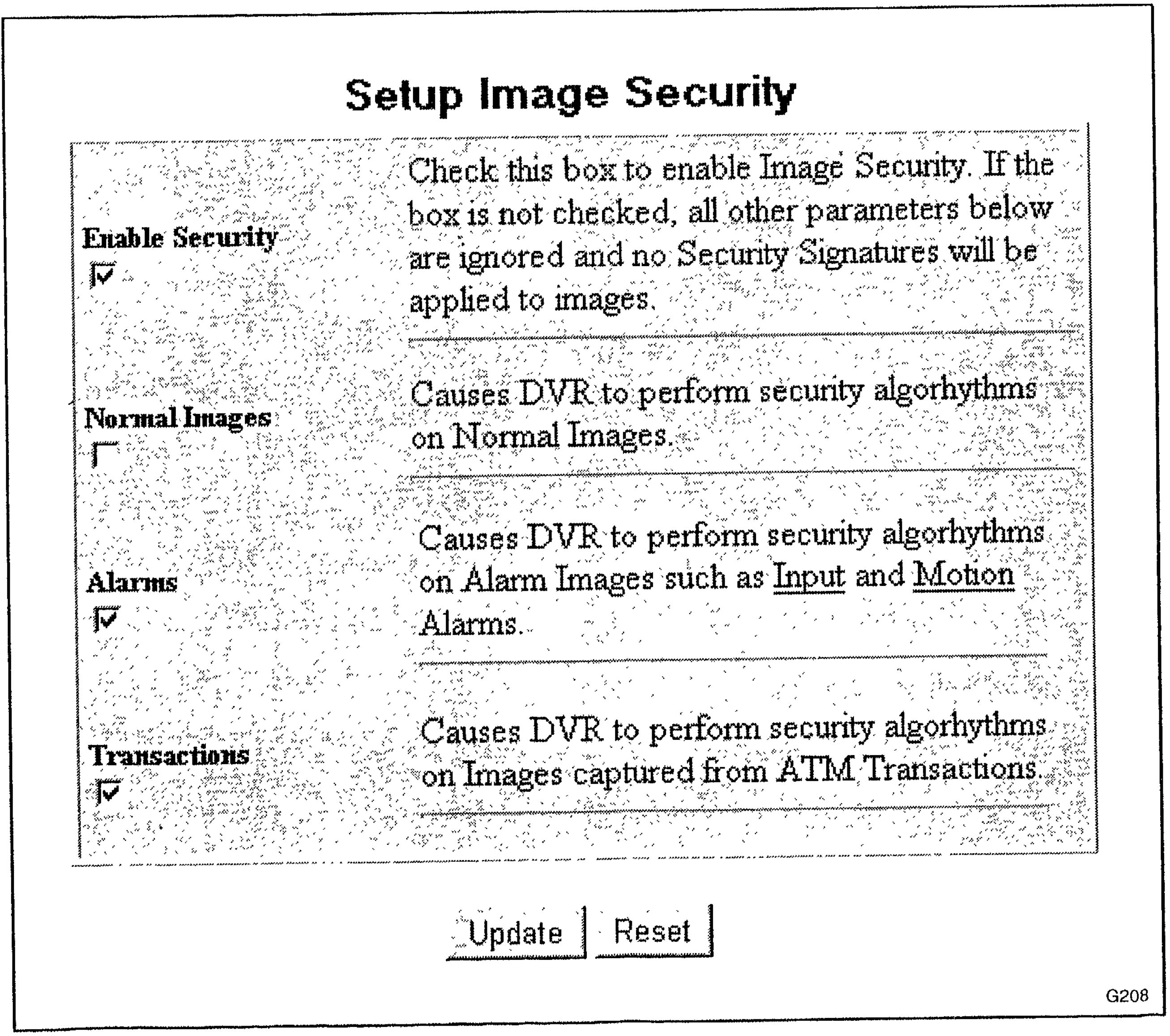
When would you like {Auto Delete} to stop deleting images?

*Stop deleting images when the DVR disk space is above 1000 MB

Image Type	Override	Priority	Retain for
Normal	☐	delete Last	7 Days
Alarm	☐	delete Last	14 Days
Transaction	☐	delete Last	90 Days

Default Settings

FIG 34



Setup Image Security

Enable Security
☑
Check this box to enable Image Security. If the box is not checked, all other parameters below are ignored and no Security Signatures will be applied to images.

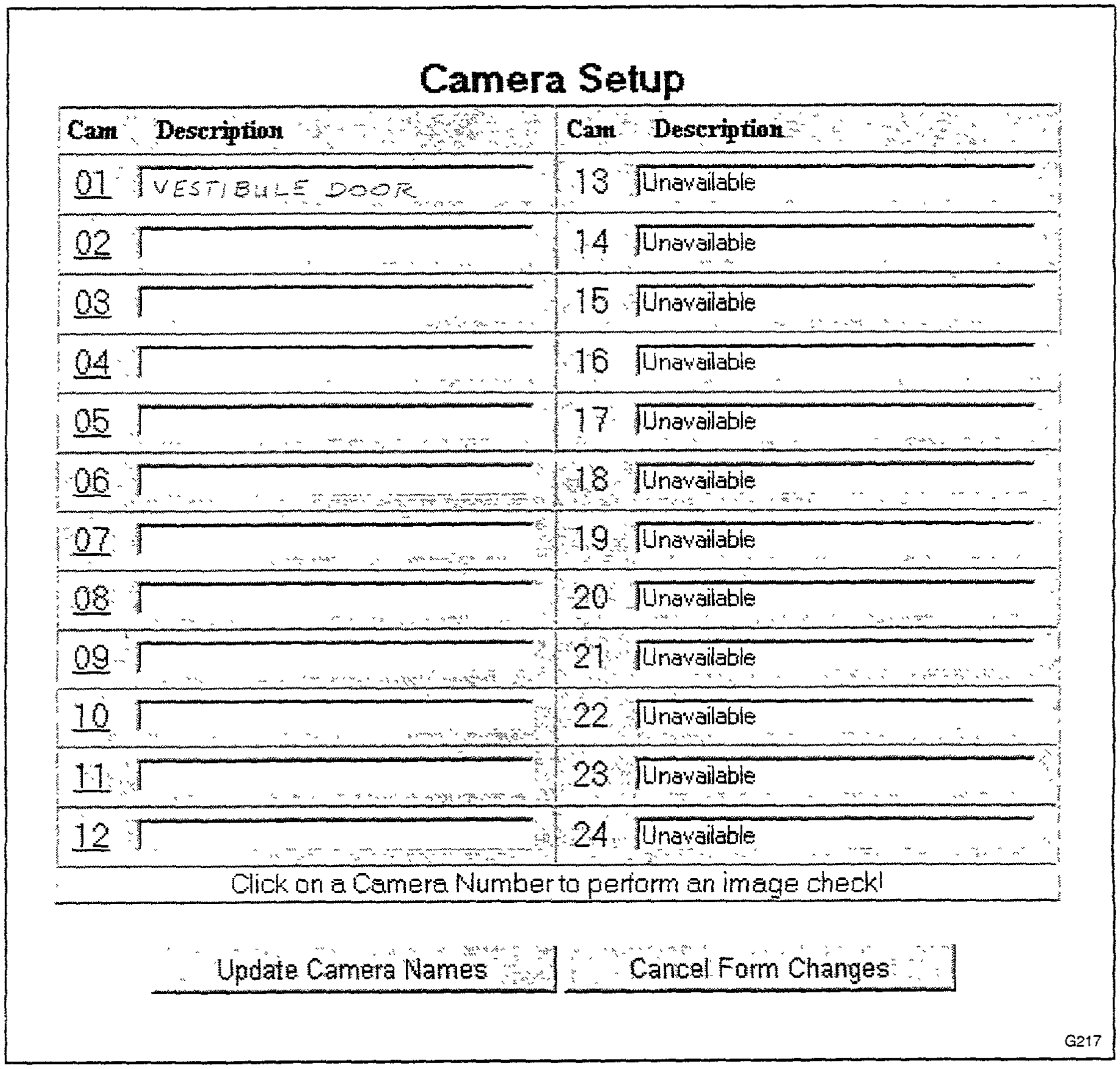
Normal Images
☐
Causes DVR to perform security algorhythms on Normal Images.

Alarms
☑
Causes DVR to perform security algorhythms on Alarm Images such as Input and Motion Alarms.

Transactions
☑
Causes DVR to perform security algorhythms on Images captured from ATM Transactions.

FIG 35

408

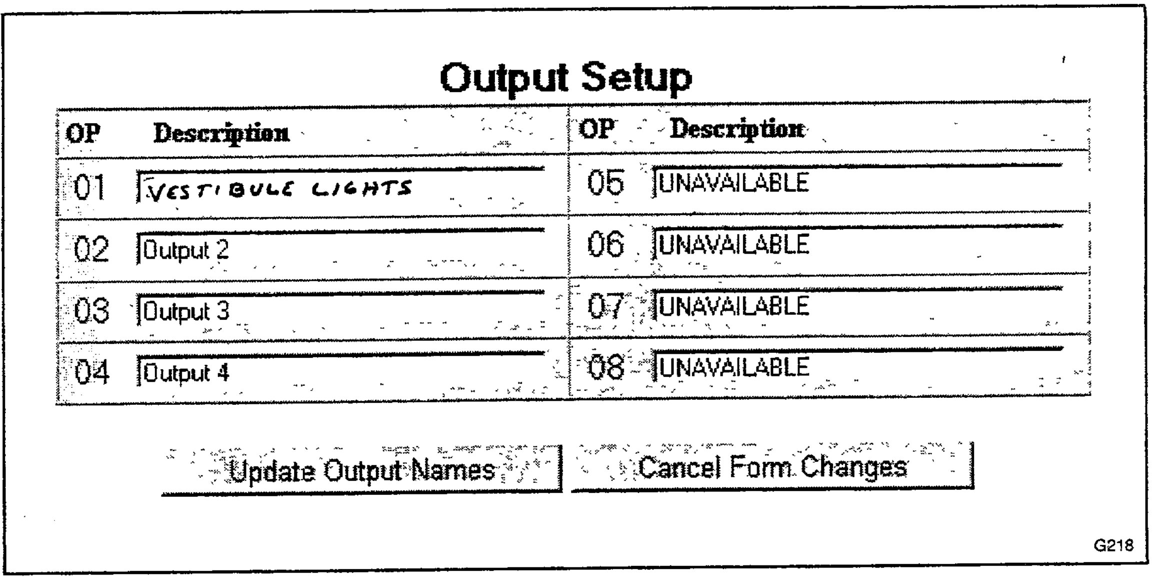


Camera Setup

Cam	Description	Cam	Description
01	VESTIBULE DOOR	13	Unavailable
02		14	Unavailable
03		15	Unavailable
04		16	Unavailable
05		17	Unavailable
06		18	Unavailable
07		19	Unavailable
08		20	Unavailable
09		21	Unavailable
10		22	Unavailable
11		23	Unavailable
12		24	Unavailable

Click on a Camera Number to perform an image check!

Fig 36

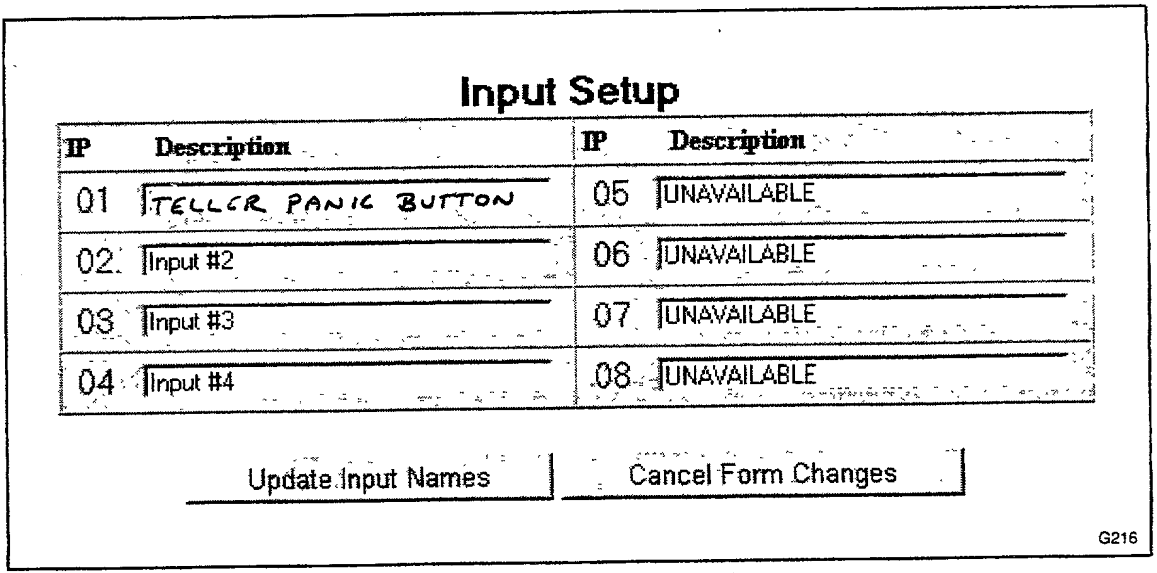


Output Setup

OP	Description	OP	Description
01	VESTIBULE LIGHTS	05	UNAVAILABLE
02	Output 2	06	UNAVAILABLE
03	Output 3	07	UNAVAILABLE
04	Output 4	08	UNAVAILABLE

Output Setup Page

FIG 37

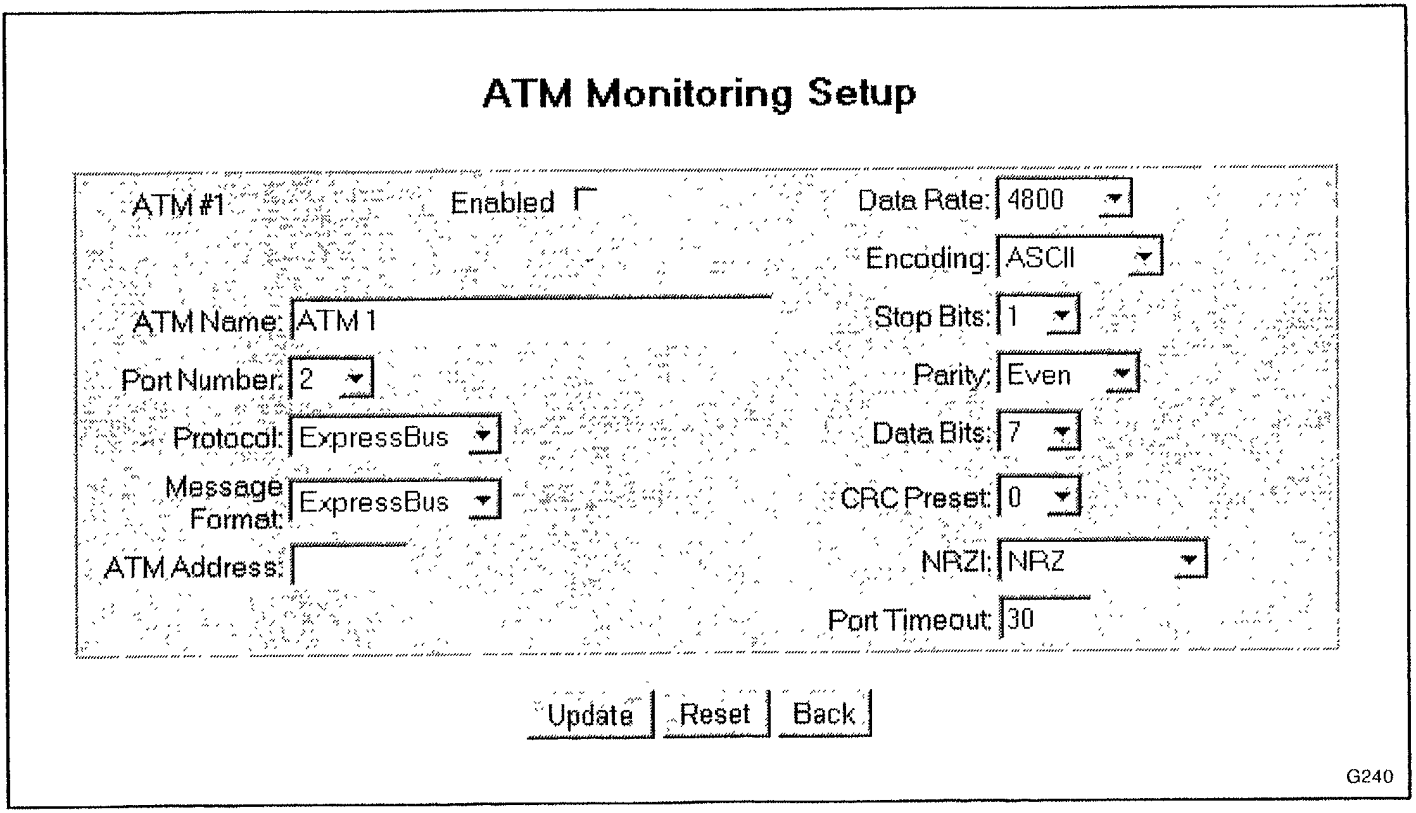


Input Setup

IP	Description	IP	Description
01	TELLER PANIC BUTTON	05	UNAVAILABLE
02	Input #2	06	UNAVAILABLE
03	Input #3	07	UNAVAILABLE
04	Input #4	08	UNAVAILABLE

Input Setup Page

FIG 38



ATM Monitoring Setup

ATM #1

Enabled ☐

ATM Name: ATM 1

Port Number: 2

Protocol: ExpressBus

Message Format: ExpressBus

ATM Address:

Data Rate: 4800

Encoding: ASCII

Stop Bits: 1

Parity: Even

Data Bits: 7

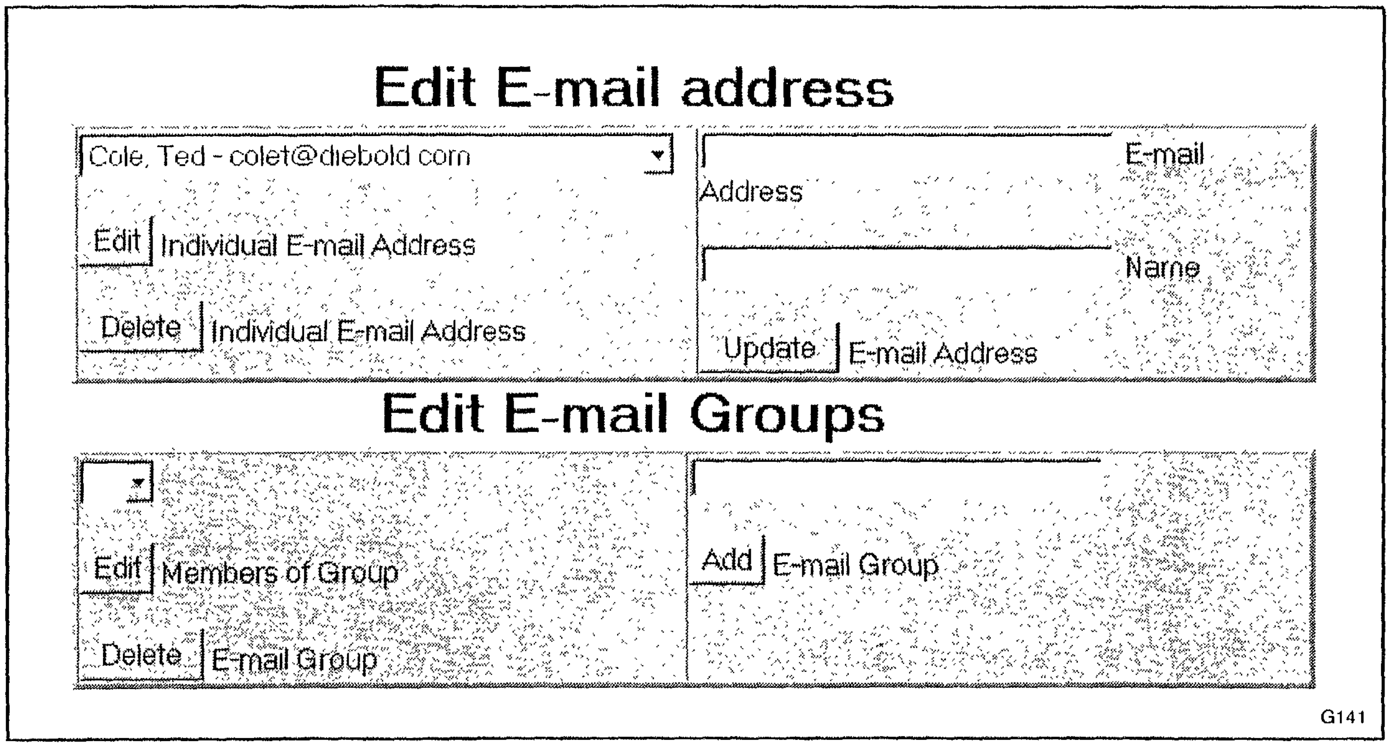
CRC Preset: 0

NRZI: NRZ

Port Timeout: 30

ATM Monitoring Setup Page

FIG 39



Edit E-mail address

Cole, Ted - colet@diebold com

Edit Individual E-mail Address

Delete Individual E-mail Address

E-mail Address

Name

Update E-mail Address

Edit E-mail Groups

Edit Members of Group

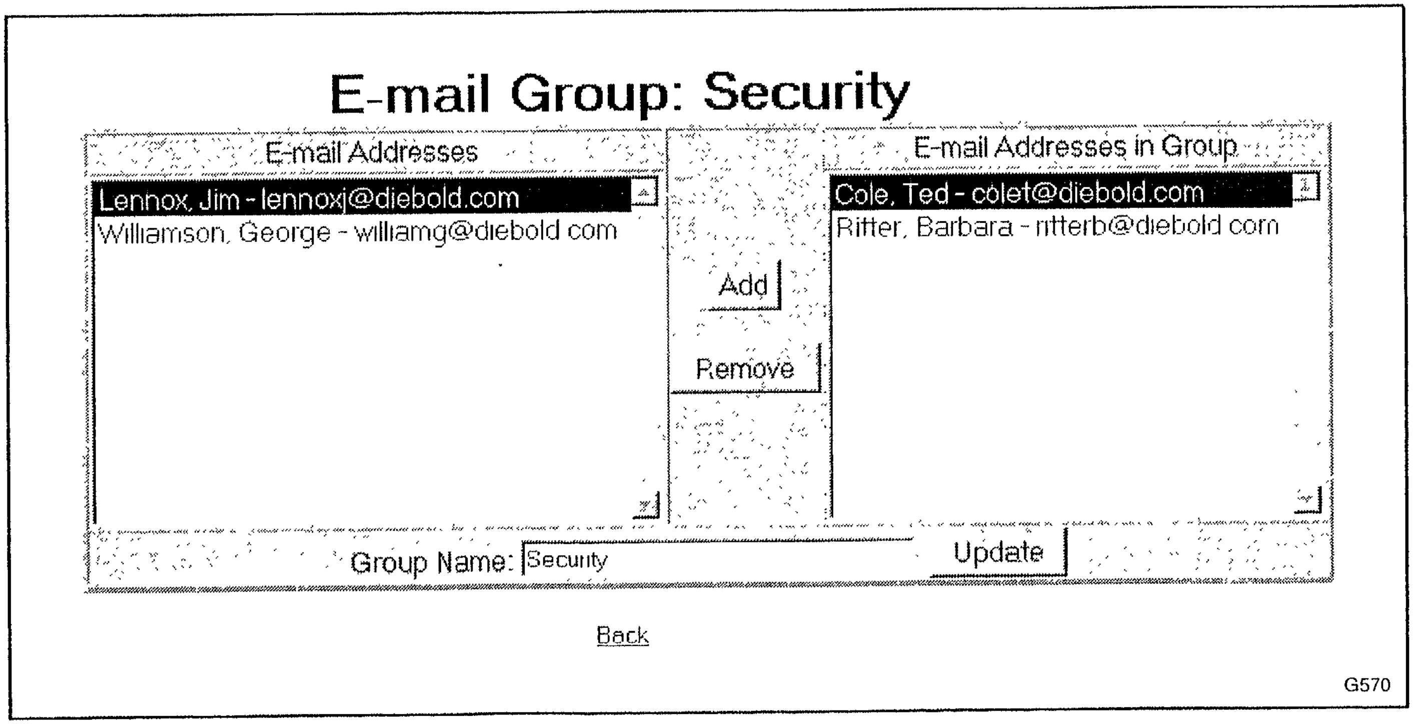
Delete E-mail Group

Add E-mail Group

E-mail Setup Page (for individuals)

Fig 40

09991748.112301



E-mail Group: Security

E-mail Addresses:

- Lennox, Jim - lennoxj@diebold.com
- Williamson, George - williamg@diebold.com

E-mail Addresses in Group:

- Cole, Ted - colet@diebold.com
- Ritter, Barbara - ritterb@diebold.com

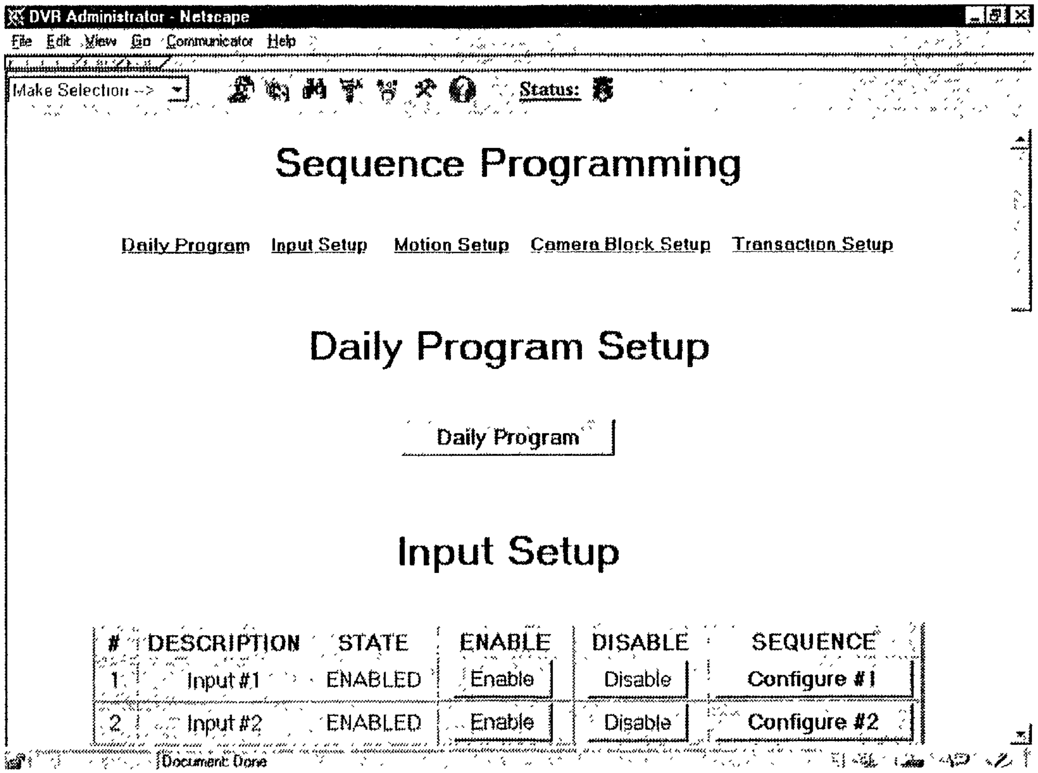
Group Name: Security

E-mail Group Page

FIG 41

09991748.112301

420



Sequence Programming

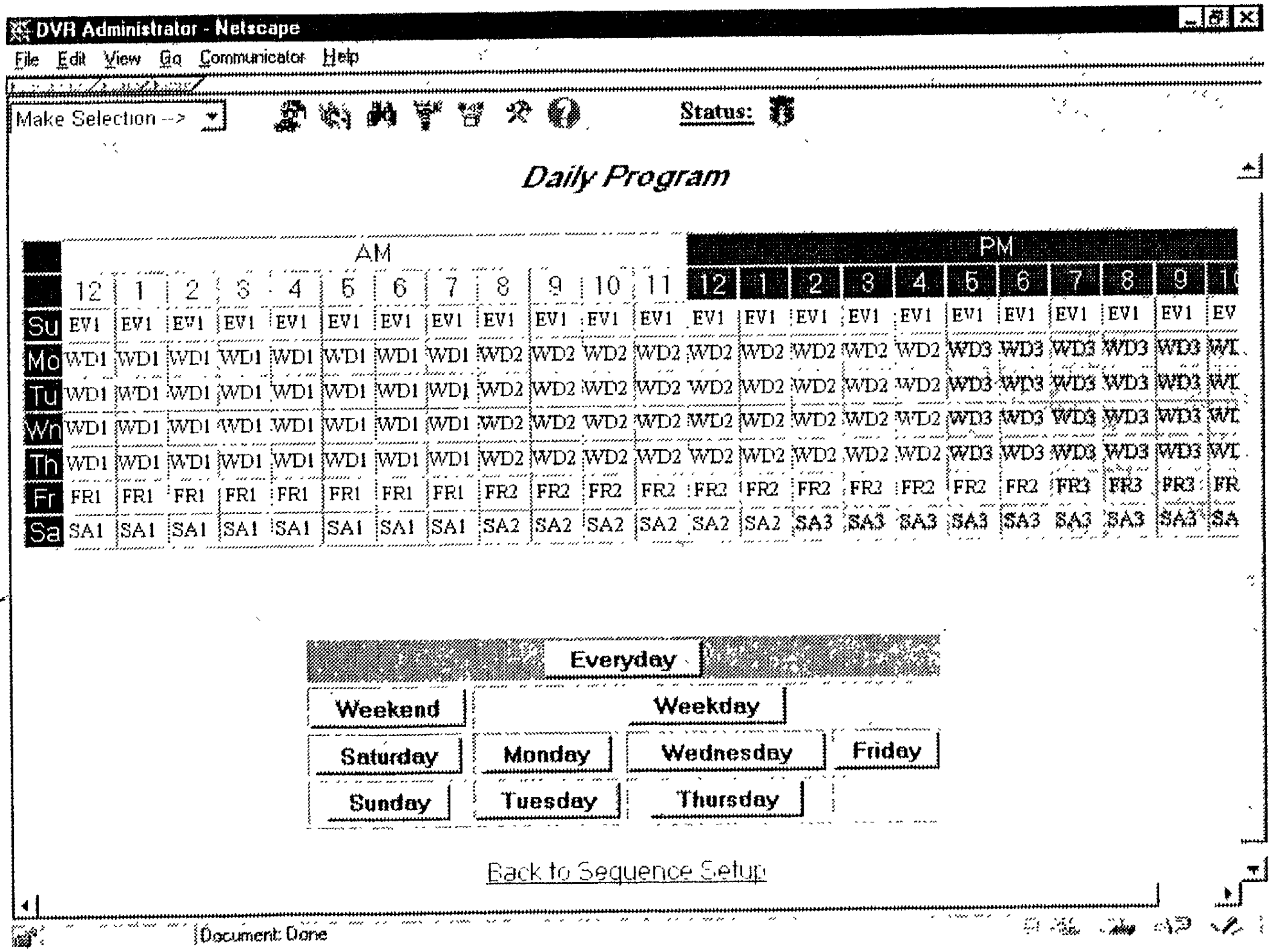
Daily Program Setup

Input Setup

#	DESCRIPTION	STATE	ENABLE	DISABLE	SEQUENCE
1	Input #1	ENABLED	Enable	Disable	Configure #1
2	Input #2	ENABLED	Enable	Disable	Configure #2

Sequence Programming Page

FIG 42

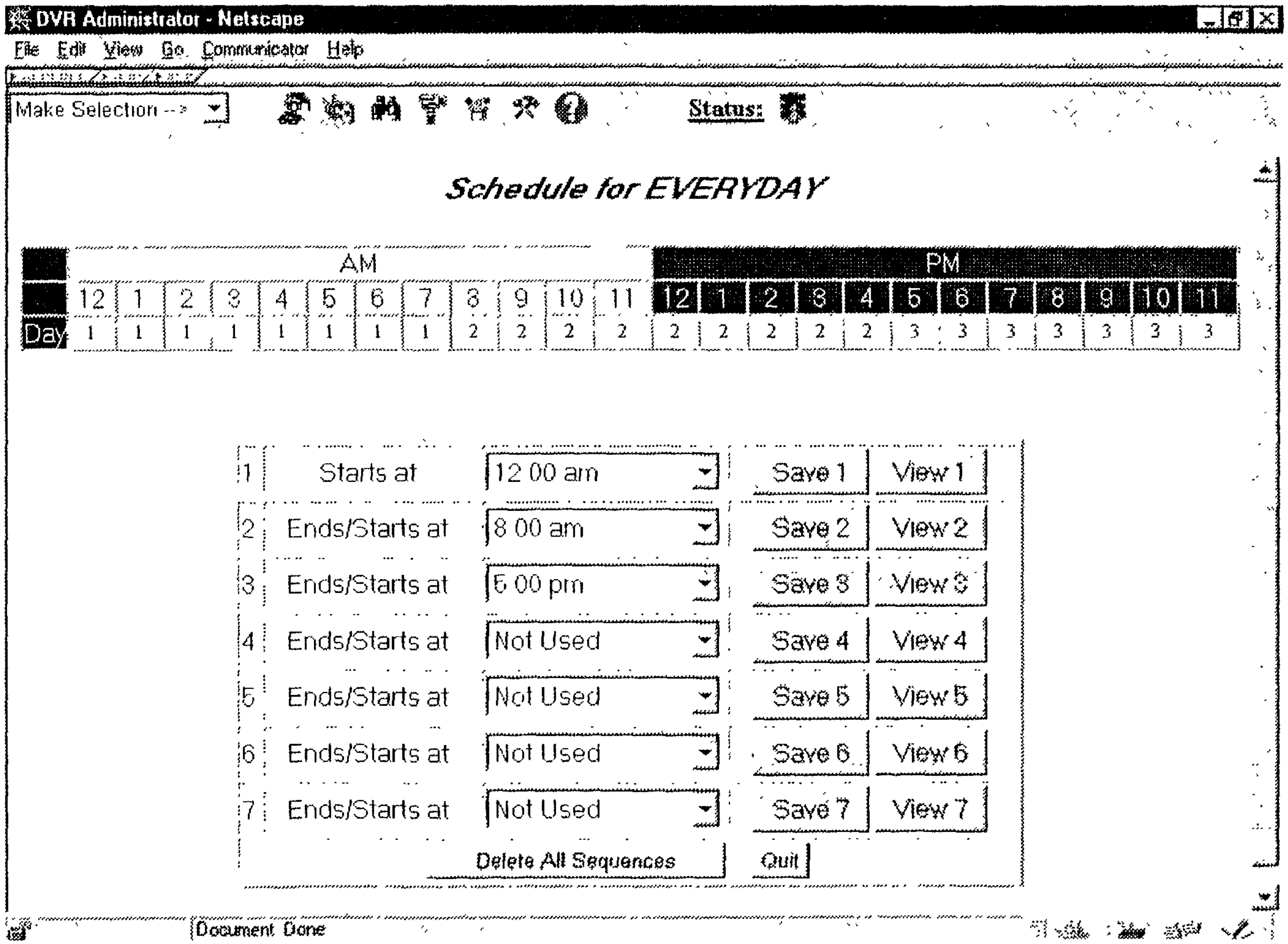

422
DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:

Daily Program

	AM												PM									
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	1
Su	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV1	EV
Mo	WD1	WD1	WD1	WD1	WD1	WD1	WD1	WD1	WD2	WD2	WD2	WD2	WD2	WD2	WD2	WD2	WD2	WD3	WD3	WD3	WD3	WD3	WD
Tu	WD1	WD1	WD1	WD1	WD1	WD1	WD1	WD1	WD2	WD2	WD2	WD2	WD2	WD2	WD2	WD2	WD2	WD3	WD3	WD3	WD3	WD3	WD
Wn	WD1	WD1	WD1	WD1	WD1	WD1	WD1	WD1	WD2	WD2	WD2	WD2	WD2	WD2	WD2	WD2	WD2	WD3	WD3	WD3	WD3	WD3	WD
Th	WD1	WD1	WD1	WD1	WD1	WD1	WD1	WD1	WD2	WD2	WD2	WD2	WD2	WD2	WD2	WD2	WD2	WD3	WD3	WD3	WD3	WD3	WD
Fr	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR2	FR2	FR2	FR2	FR2	FR2	FR2	FR2	FR2	FR2	FR2	FR3	FR3	FR3	FR
Sa	SA1	SA1	SA1	SA1	SA1	SA1	SA1	SA1	SA2	SA2	SA2	SA2	SA2	SA2	SA3	SA3	SA3	SA3	SA3	SA3	SA3	SA3	SA

Daily Program Page

Fig 43


DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:

Schedule for EVERYDAY

	AM												PM											
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
Day	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3

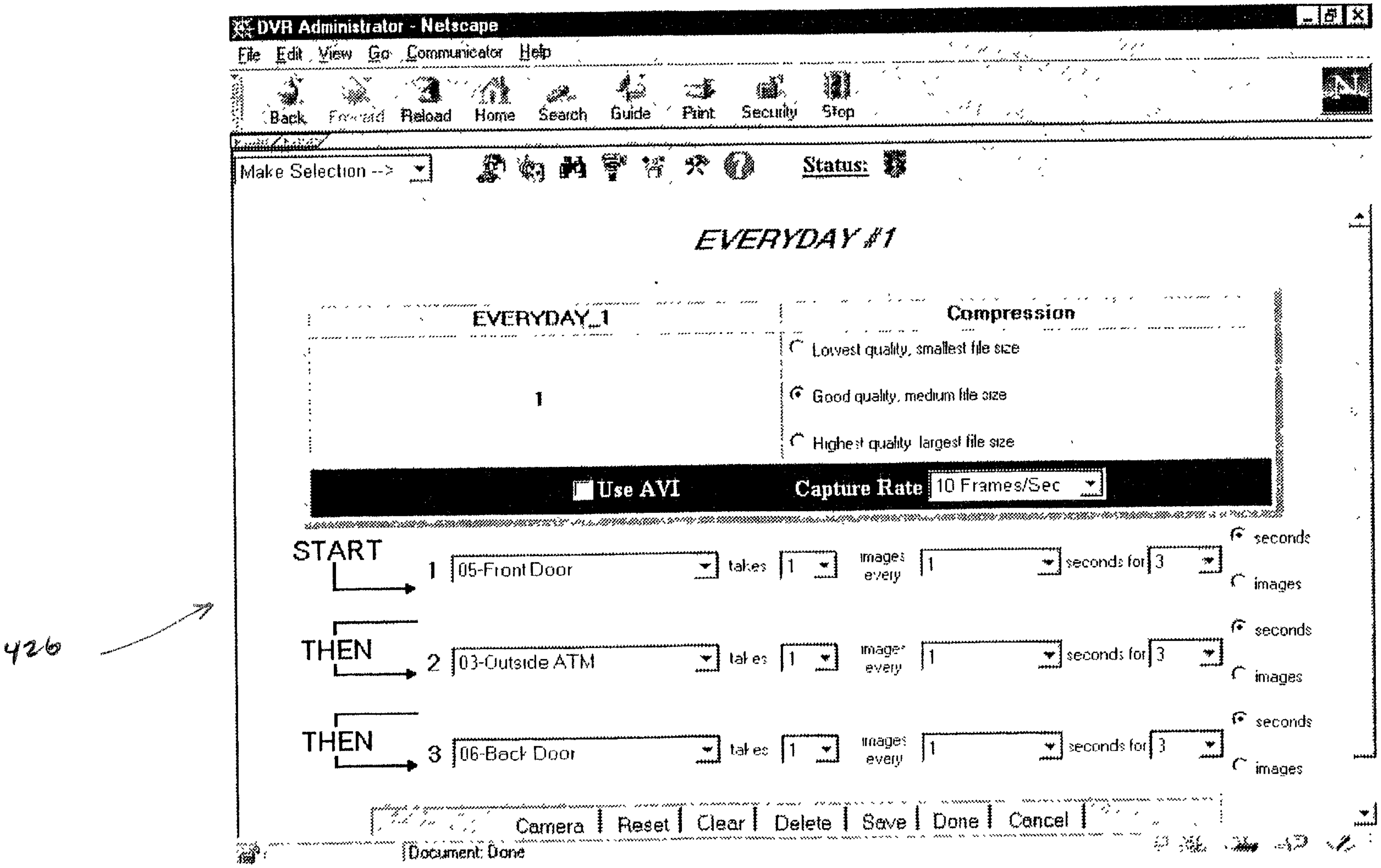
1	Starts at	12 00 am	Save 1	View 1
2	Ends/Starts at	8 00 am	Save 2	View 2
3	Ends/Starts at	5 00 pm	Save 3	View 3
4	Ends/Starts at	Not Used	Save 4	View 4
5	Ends/Starts at	Not Used	Save 5	View 5
6	Ends/Starts at	Not Used	Save 6	View 6
7	Ends/Starts at	Not Used	Save 7	View 7

Delete All Sequences
Quit
Document Done

424

FIG 44

09991748.112301



EVERYDAY #1

EVERYDAY_1	Compression
1	○ Lowest quality, smallest file size ● Good quality, medium file size ○ Highest quality largest file size

☐ Use AVI Capture Rate 10 Frames/Sec

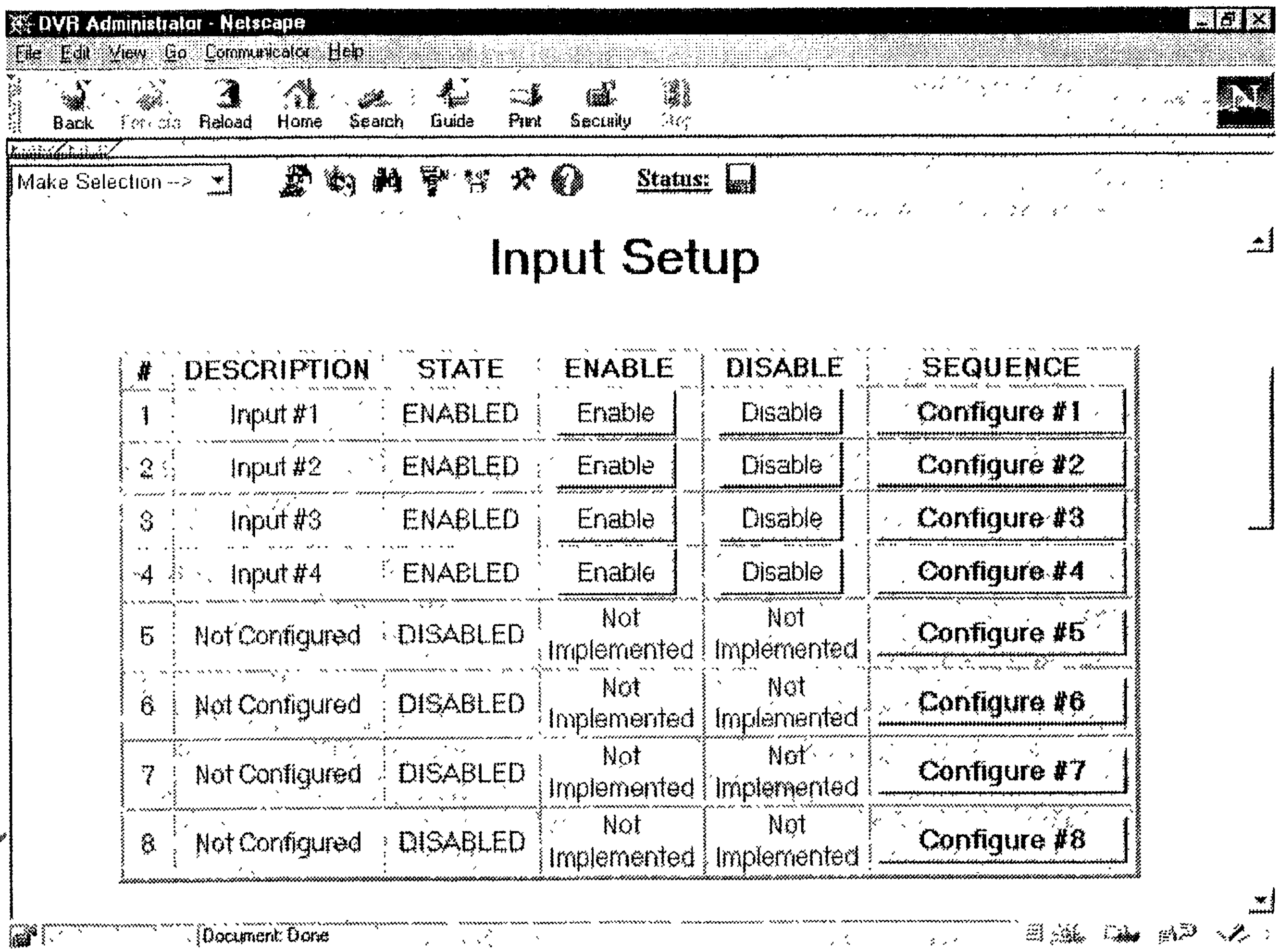
START → 1 05-Front Door takes 1 images every 1 seconds for 3 ● seconds ○ images

THEN → 2 03-Outside ATM takes 1 images every 1 seconds for 3 ● seconds ○ images

THEN → 3 06-Back Door takes 1 images every 1 seconds for 3 ● seconds ○ images

EVERYDAY #1 Page

Fig 45

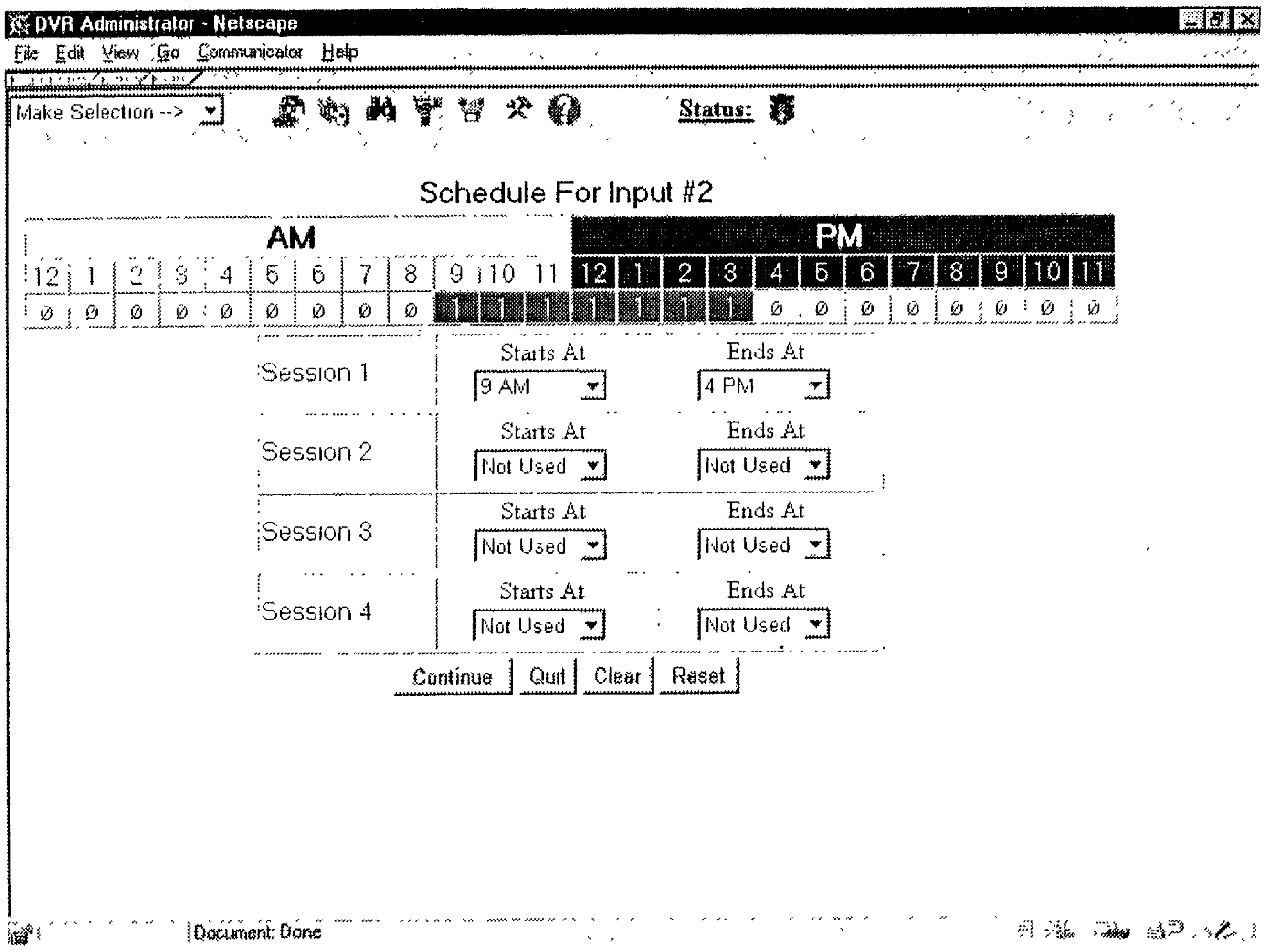


Input Setup

#	DESCRIPTION	STATE	ENABLE	DISABLE	SEQUENCE
1	Input #1	ENABLED	Enable	Disable	Configure #1
2	Input #2	ENABLED	Enable	Disable	Configure #2
3	Input #3	ENABLED	Enable	Disable	Configure #3
4	Input #4	ENABLED	Enable	Disable	Configure #4
5	Not Configured	DISABLED	Not Implemented	Not Implemented	Configure #5
6	Not Configured	DISABLED	Not Implemented	Not Implemented	Configure #6
7	Not Configured	DISABLED	Not Implemented	Not Implemented	Configure #7
8	Not Configured	DISABLED	Not Implemented	Not Implemented	Configure #8

Input Setup Block (Sequence Programming page)

FIG 46



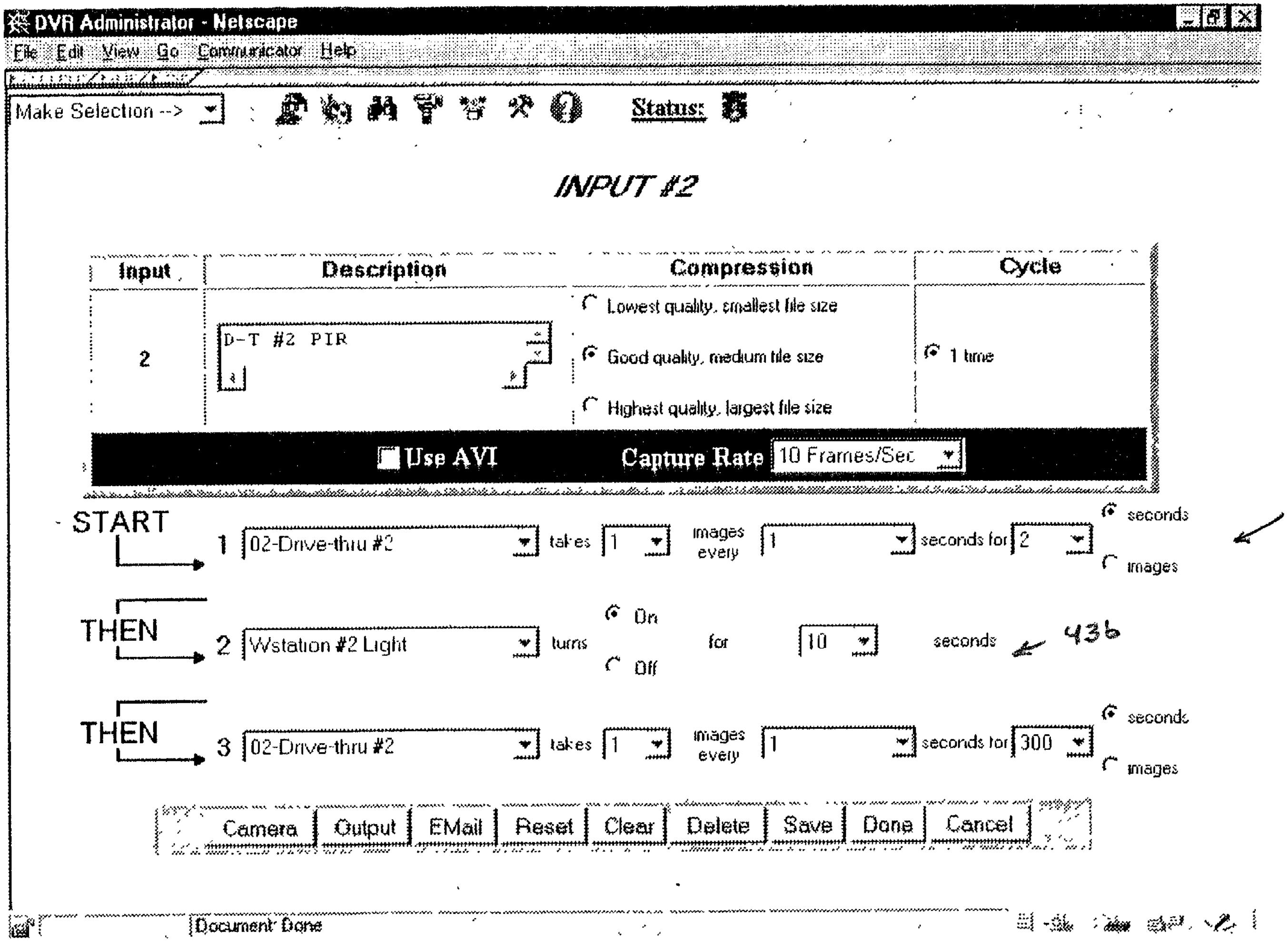
Schedule For Input #2

AM												PM											
12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0

	Starts At	Ends At
Session 1	9 AM	4 PM
Session 2	Not Used	Not Used
Session 3	Not Used	Not Used
Session 4	Not Used	Not Used

Schedule for Input #2 Page

FIG 47


DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:

INPUT #2

Input	Description	Compression	Cycle
2	D-T #2 PIR	○ Lowest quality, smallest file size ● Good quality, medium file size ○ Highest quality, largest file size	● 1 time

☐ Use AVI Capture Rate 10 Frames/Sec

START 1 02-Drive-thru #2 takes 1 images every 1 seconds for 2 ● seconds ○ images

THEN 2 Wstation #2 Light turns ● On ○ Off for 10 seconds

THEN 3 02-Drive-thru #2 takes 1 images every 1 seconds for 300 ● seconds ○ images

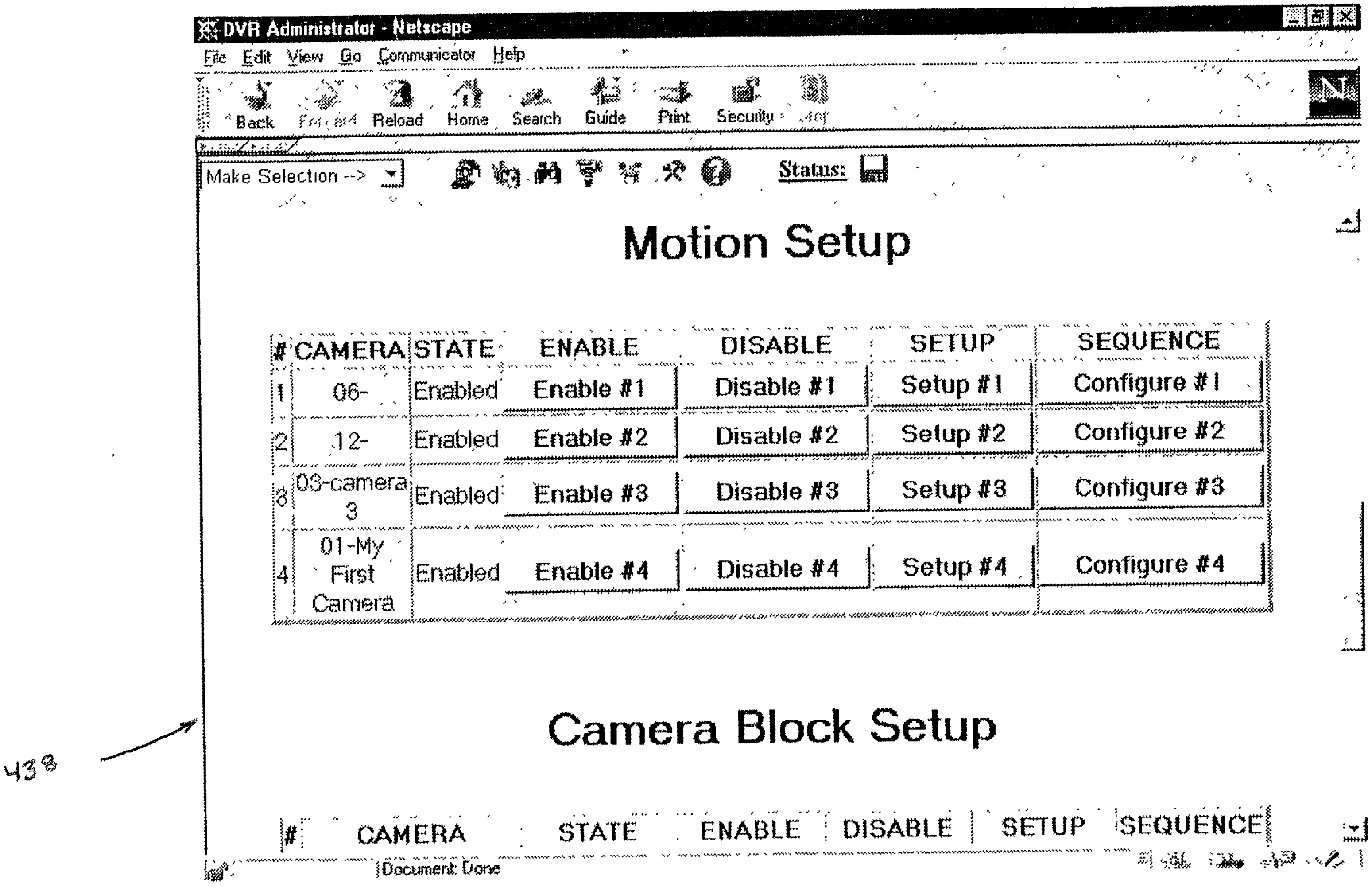
434

436

432

Input #2 Page

FIG 48



Motion Setup

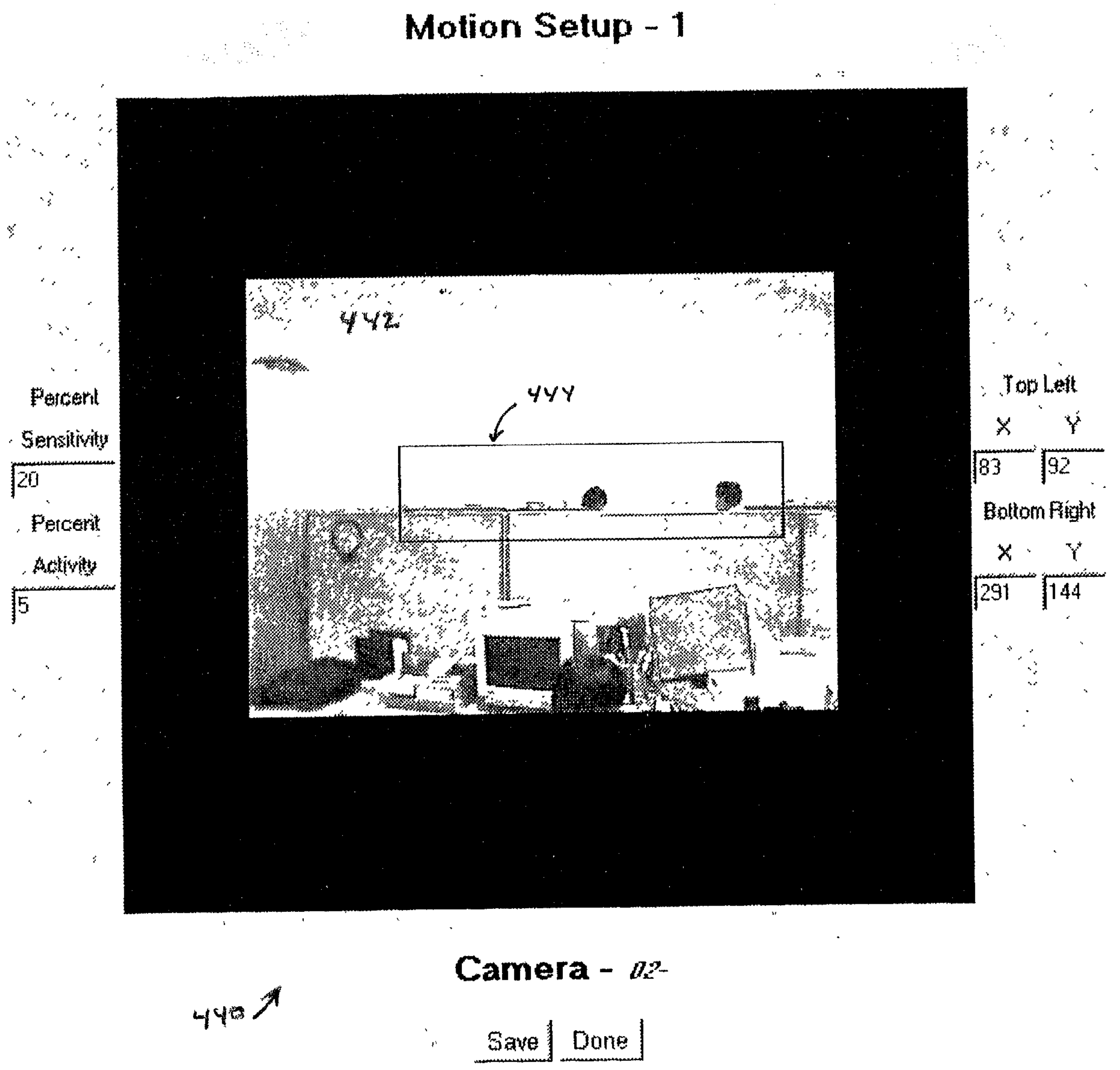
#	CAMERA	STATE	ENABLE	DISABLE	SETUP	SEQUENCE
1	06-	Enabled	Enable #1	Disable #1	Setup #1	Configure #1
2	12-	Enabled	Enable #2	Disable #2	Setup #2	Configure #2
3	03-camera 3	Enabled	Enable #3	Disable #3	Setup #3	Configure #3
4	01-My First Camera	Enabled	Enable #4	Disable #4	Setup #4	Configure #4

Camera Block Setup

#	CAMERA	STATE	ENABLE	DISABLE	SETUP	SEQUENCE

Document: Done

FIG 49



Motion Setup - 1

Percent Sensitivity: 20

Percent Activity: 5

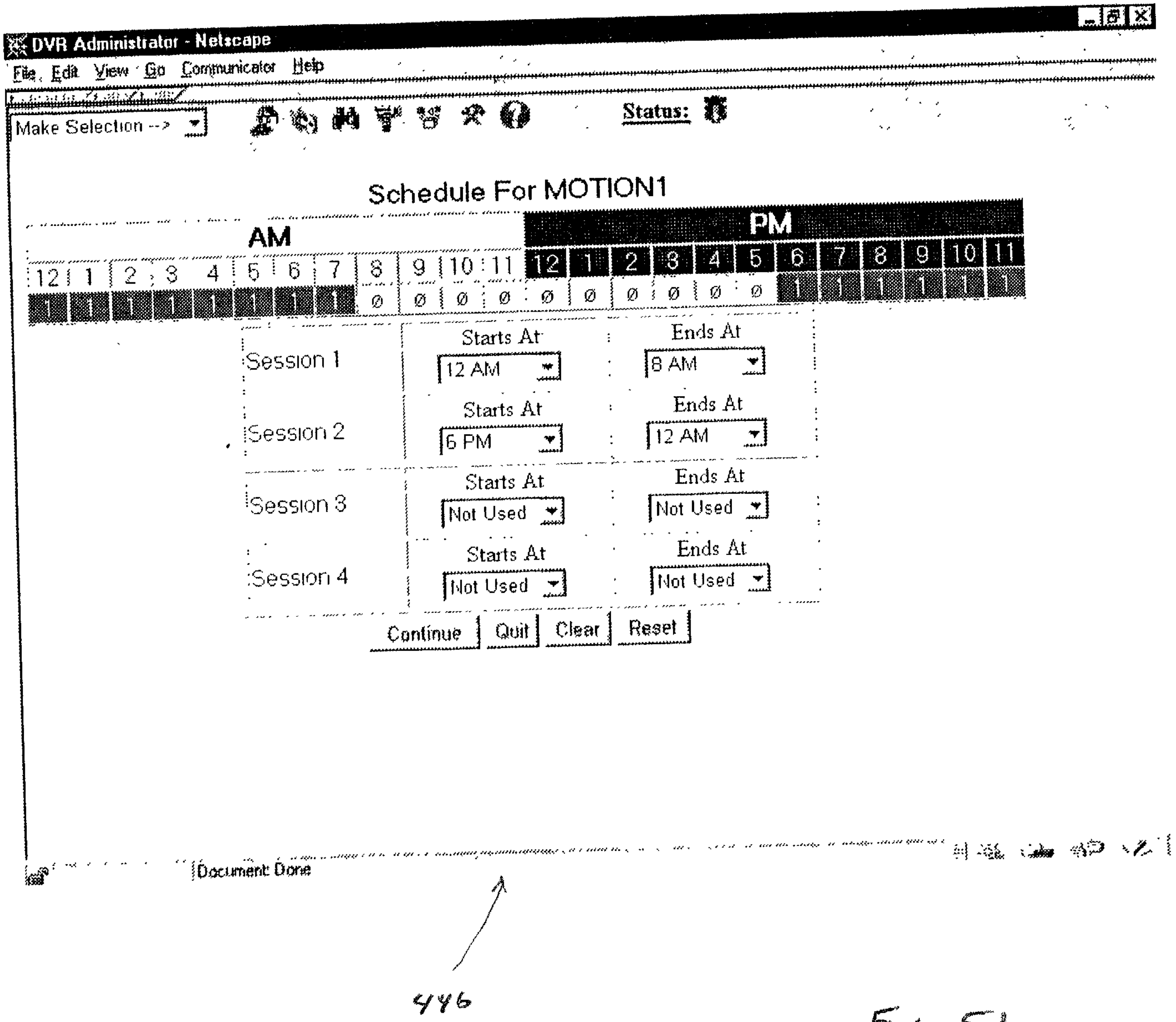
Top Left X: 83 Y: 92

Bottom Right X: 291 Y: 144

Camera - 02-

FIG 50

Motion Setup - 1 Page

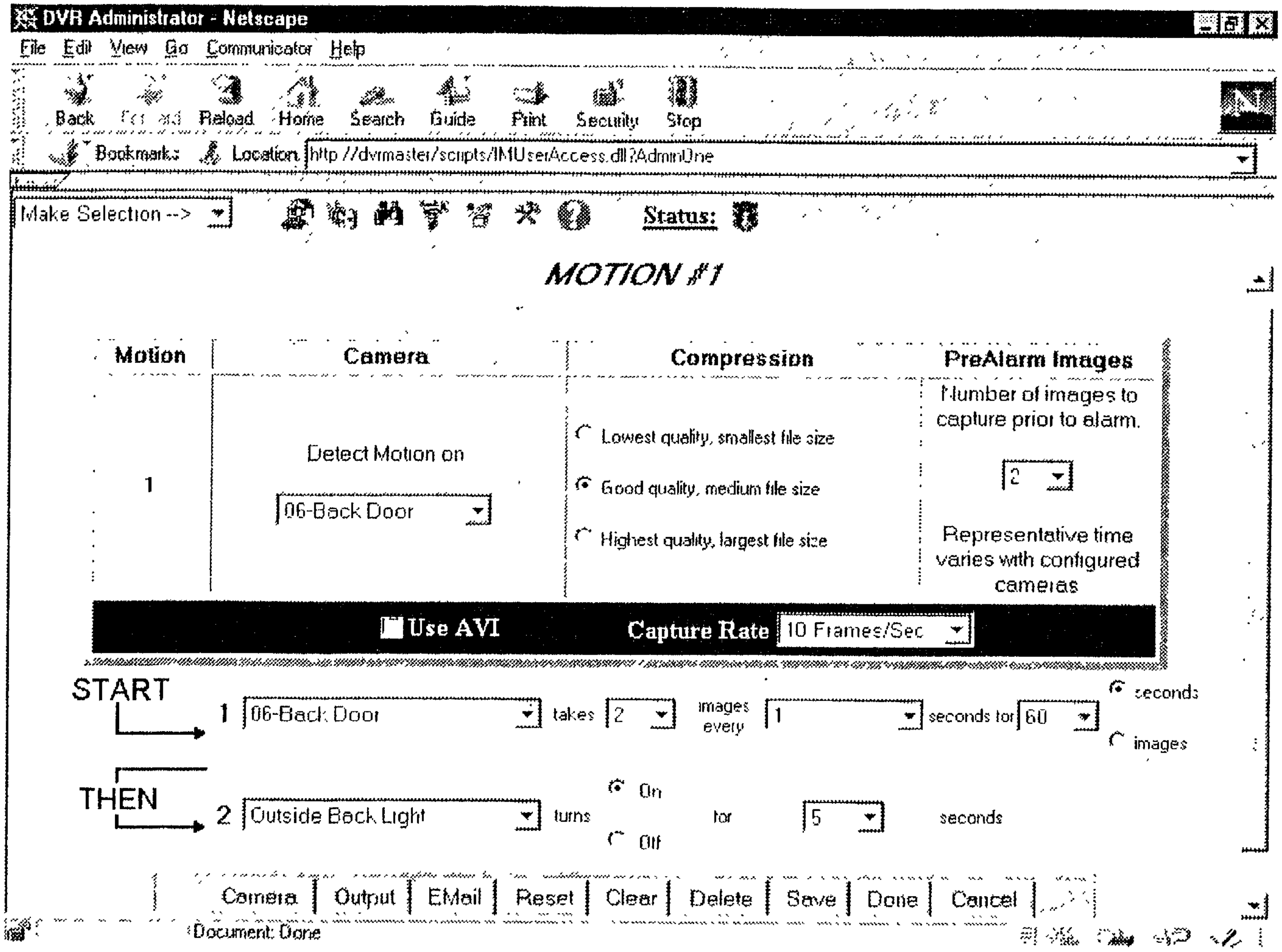

DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:
Continue
Quit
Clear
Reset
Document Done
446

Schedule For MOTION1

AM												PM											
12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1

	Starts At	Ends At
Session 1	12 AM	8 AM
Session 2	6 PM	12 AM
Session 3	Not Used	Not Used
Session 4	Not Used	Not Used

FIG 51


DVR Administrator - Netscape
File Edit View Go Communicator Help
Back Forward Reload Home Search Guide Print Security Stop
Bookmarks Location

http //dvrmaster/scripts/IMUserAccess.dll?AdminOne

Make Selection -->
Status:

MOTION #1

Motion	Camera	Compression	PreAlarm Images
1	Detect Motion on 06-Back Door	○ Lowest quality, smallest file size ● Good quality, medium file size ○ Highest quality, largest file size	Number of images to capture prior to alarm. 2 Representative time varies with configured cameras

☐ Use AVI   Capture Rate 10 Frames/Sec

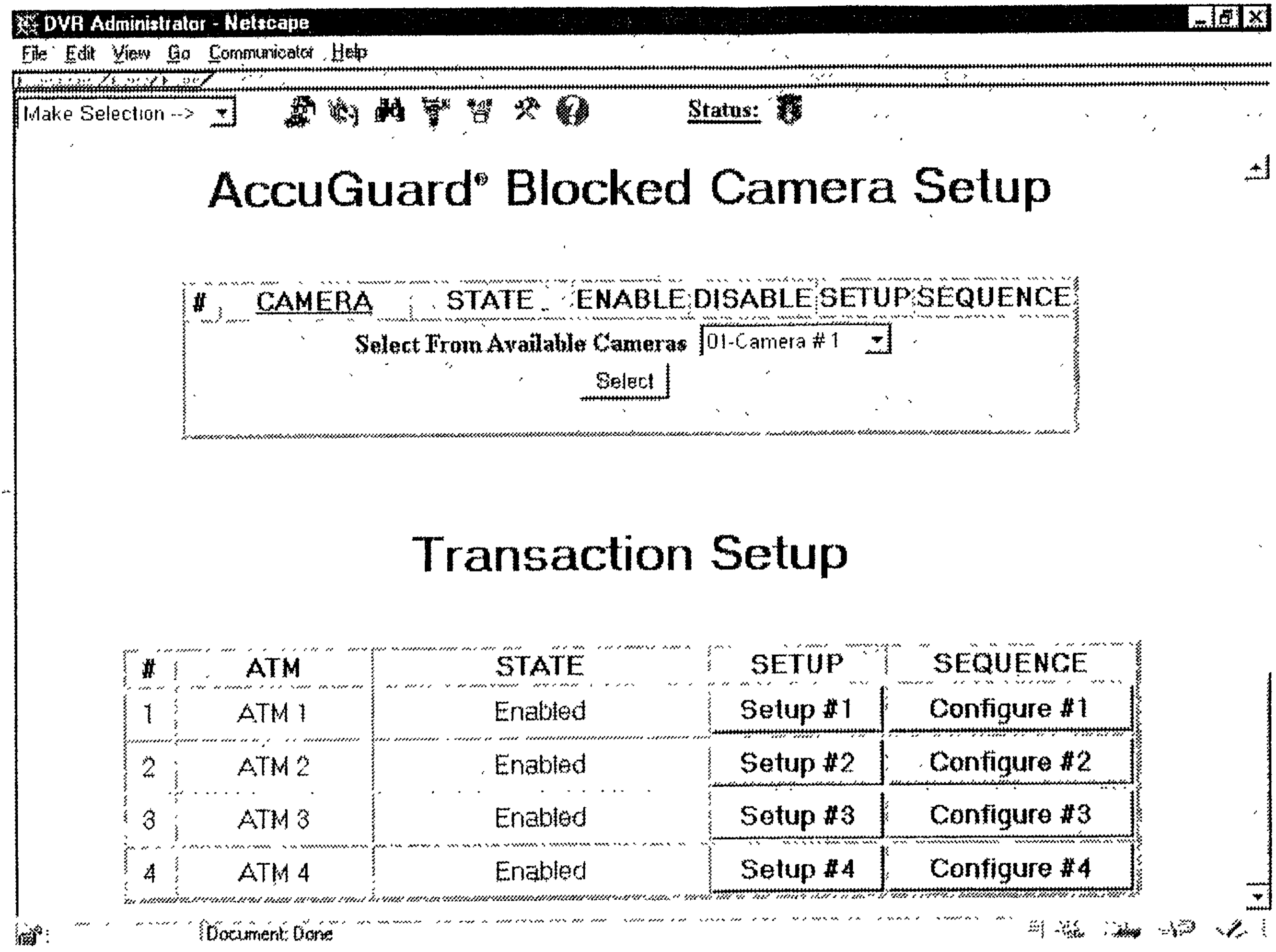
START
1 06-Back Door takes 2 images every 1 seconds for 60 ● seconds ○ images

THEN
2 Outside Back Light turns ● On ○ Off for 5 seconds

448

Motion #1 Page

FIG 52



DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:

AccuGuard® Blocked Camera Setup

#	CAMERA	STATE	ENABLE	DISABLE	SETUP	SEQUENCE

Select From Available Cameras: 01-Camera # 1

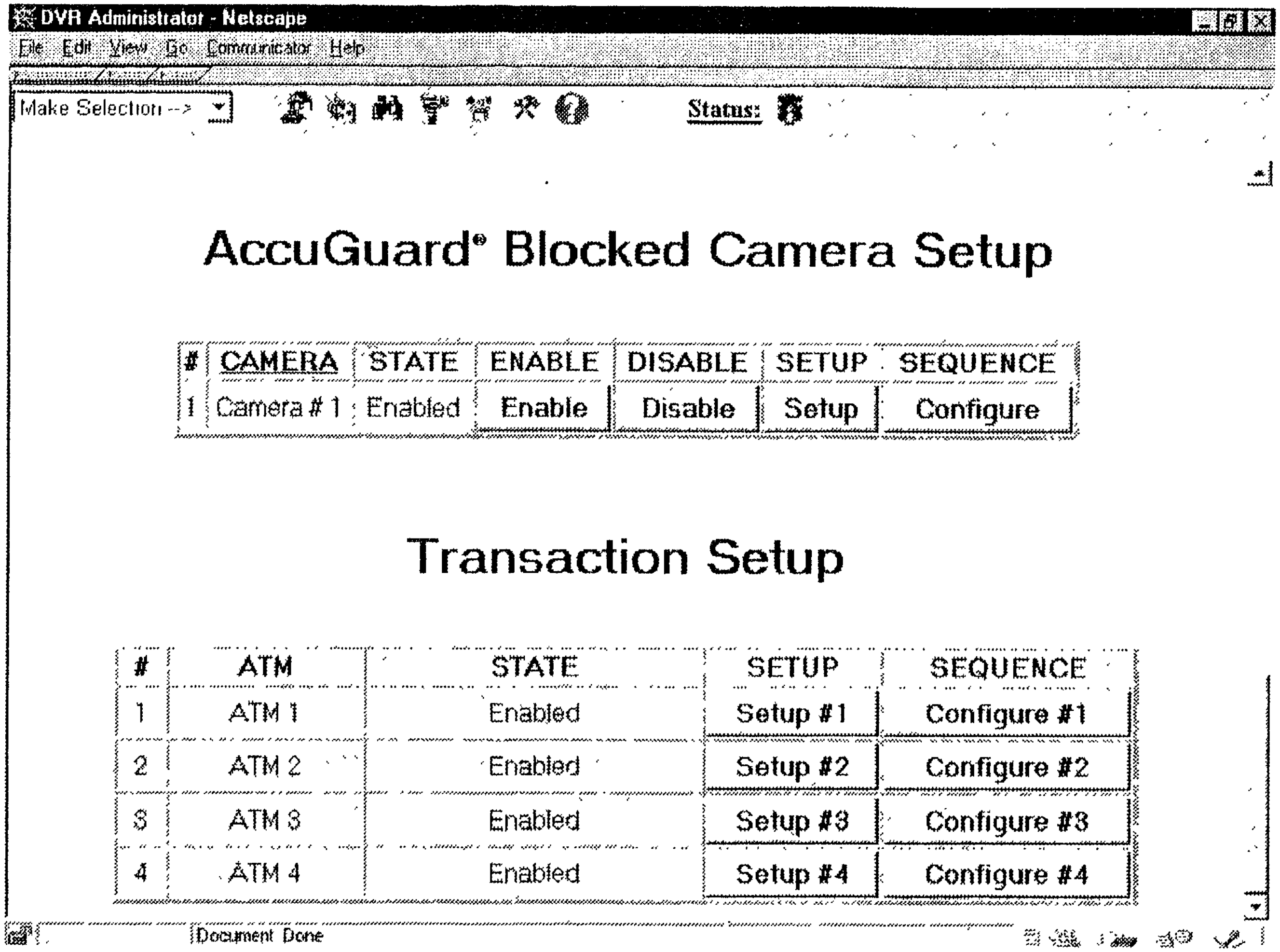
Transaction Setup

#	ATM	STATE	SETUP	SEQUENCE
1	ATM 1	Enabled	Setup #1	Configure #1
2	ATM 2	Enabled	Setup #2	Configure #2
3	ATM 3	Enabled	Setup #3	Configure #3
4	ATM 4	Enabled	Setup #4	Configure #4

Before Selecting the Camera

Fig 53

452


DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:
Document Done

AccuGuard® Blocked Camera Setup

#	CAMERA	STATE	ENABLE	DISABLE	SETUP	SEQUENCE
1	Camera # 1	Enabled	Enable	Disable	Setup	Configure

Transaction Setup

#	ATM	STATE	SETUP	SEQUENCE
1	ATM 1	Enabled	Setup #1	Configure #1
2	ATM 2	Enabled	Setup #2	Configure #2
3	ATM 3	Enabled	Setup #3	Configure #3
4	ATM 4	Enabled	Setup #4	Configure #4

After Selecting the Camera

FIG 54

09991748.112301

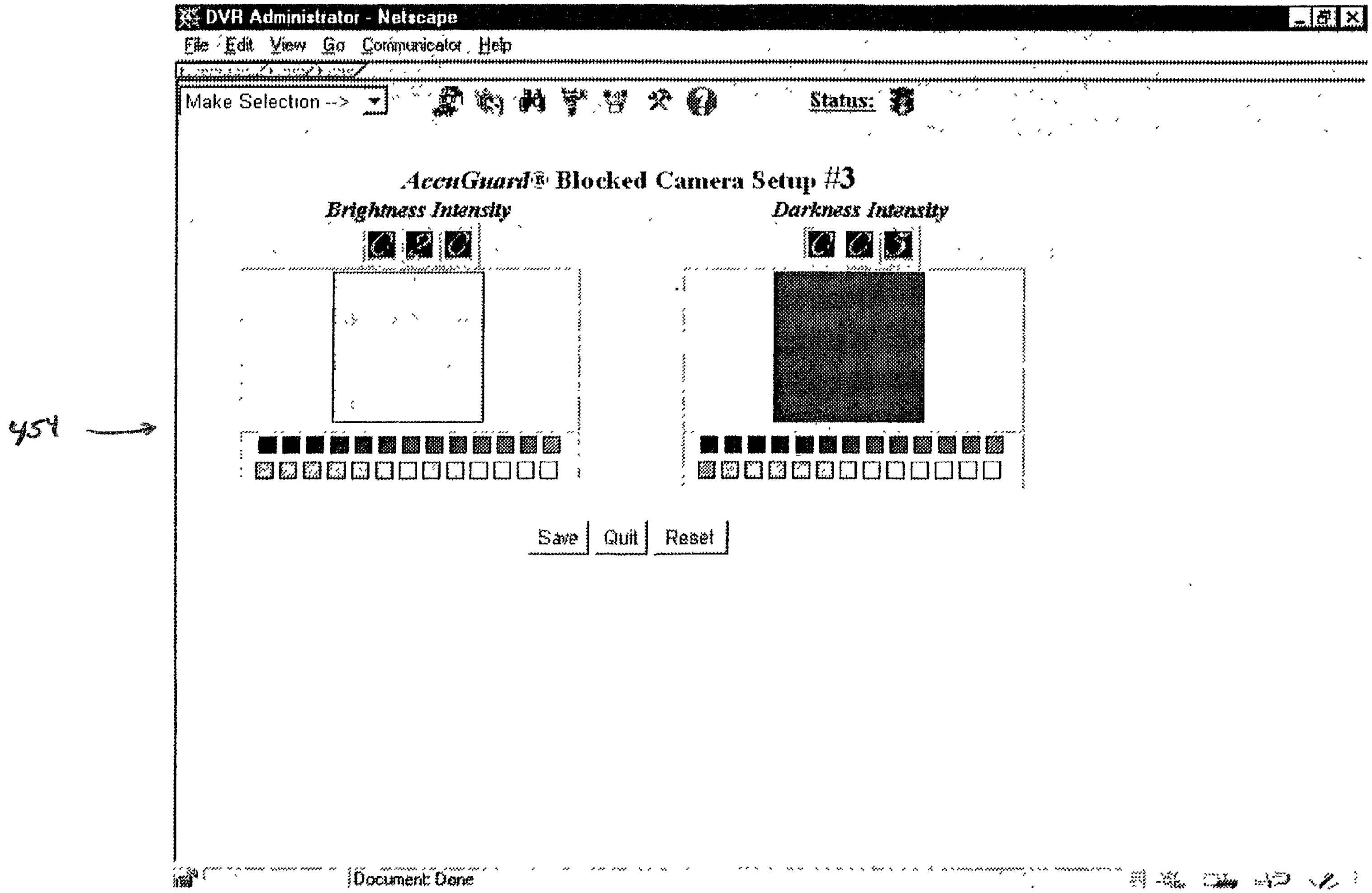
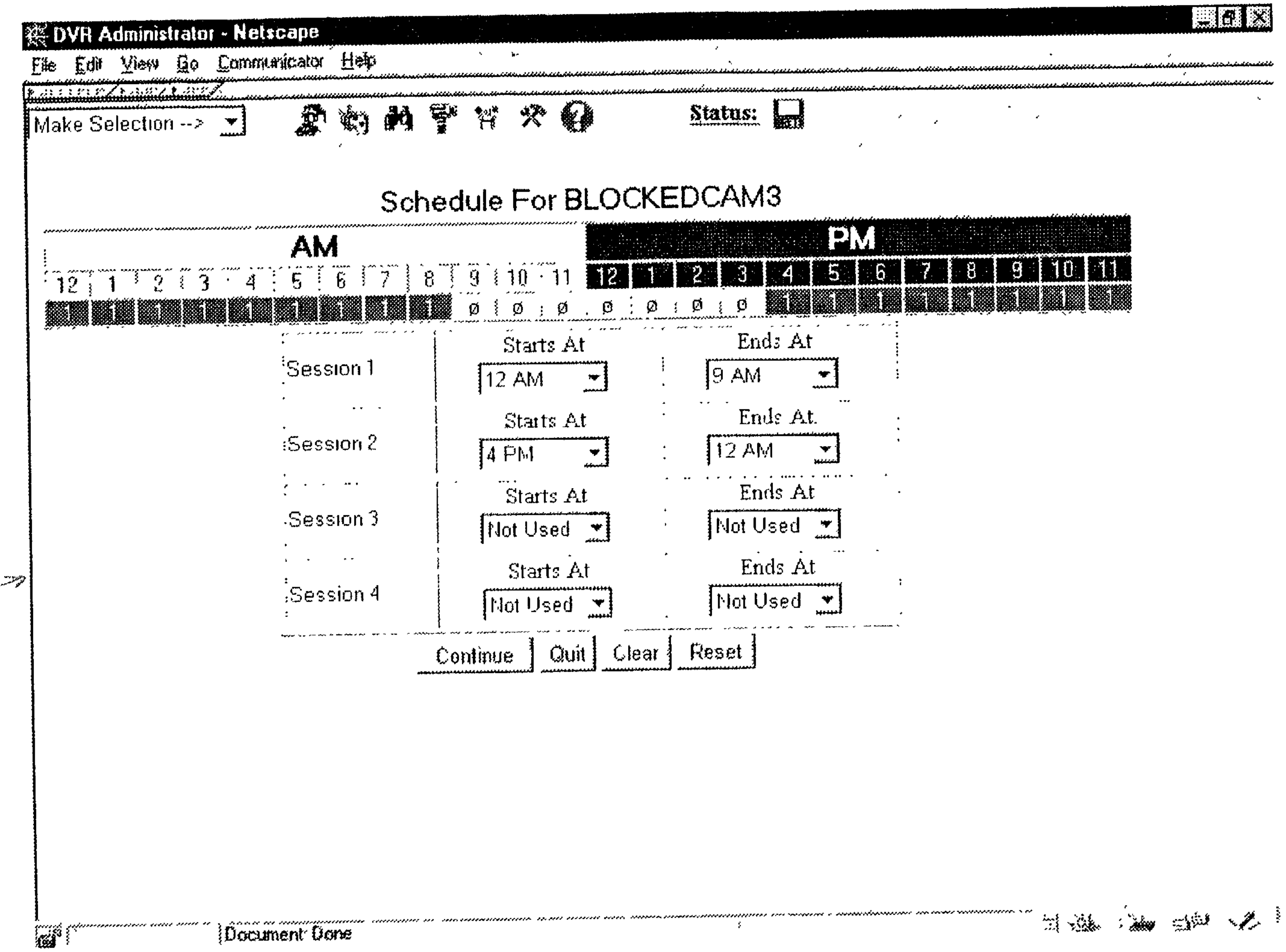

454
DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:
AccuGuard® Blocked Camera Setup #3
Brightness Intensity
Darkness Intensity
Save
Quit
Reset
Document: Done

FIG 55


DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:

Schedule For BLOCKEDCAM3

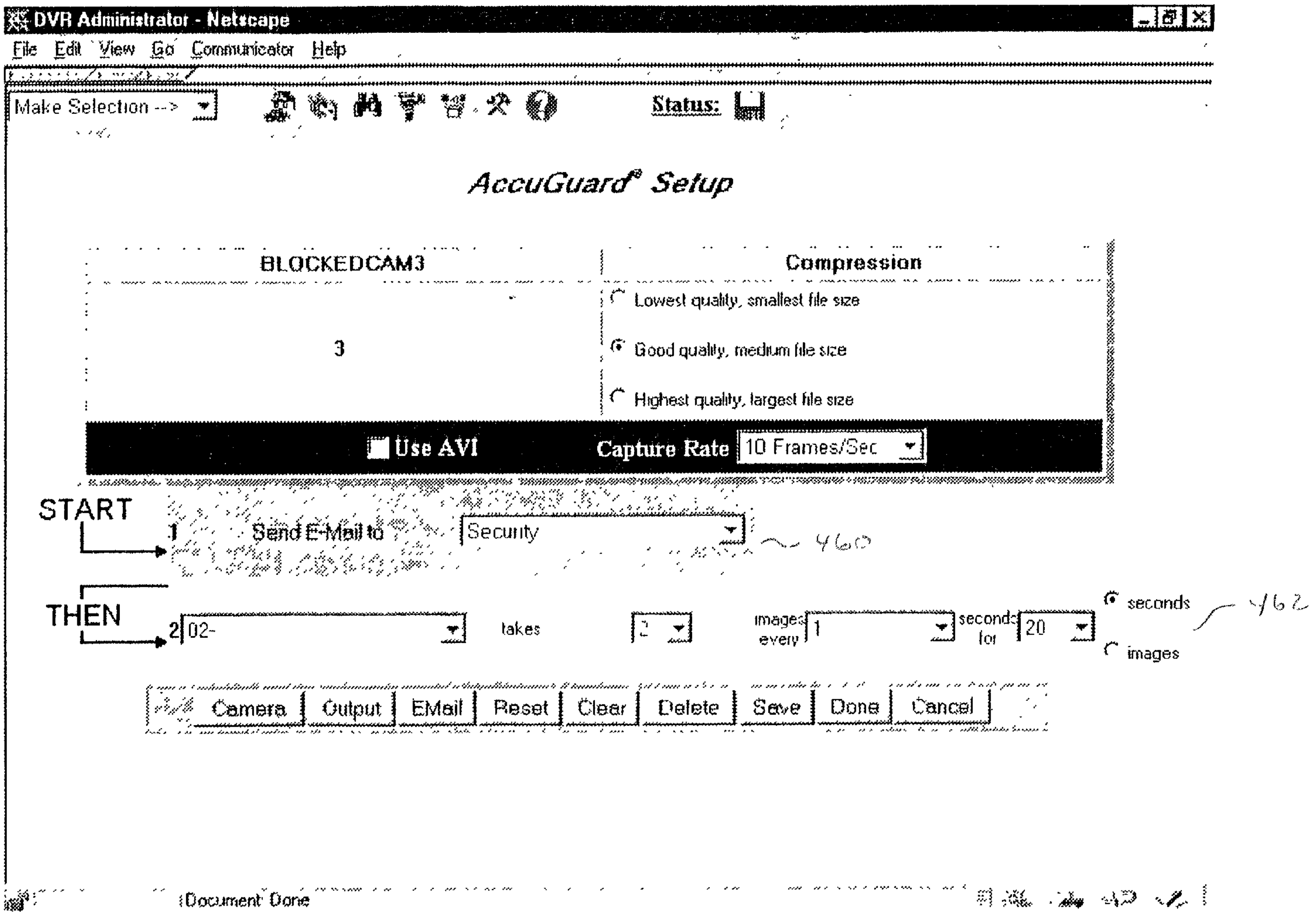
AM												PM											
12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1

	Starts At	Ends At
Session 1	12 AM	9 AM
Session 2	4 PM	12 AM
Session 3	Not Used	Not Used
Session 4	Not Used	Not Used

Continue
Quit
Clear
Reset
Document Done

456

Fig 56



AccuGuard® Setup

BLOCKEDCAM3	Compression
3	○ Lowest quality, smallest file size ● Good quality, medium file size ○ Highest quality, largest file size

☐ Use AVI Capture Rate 10 Frames/Sec

START

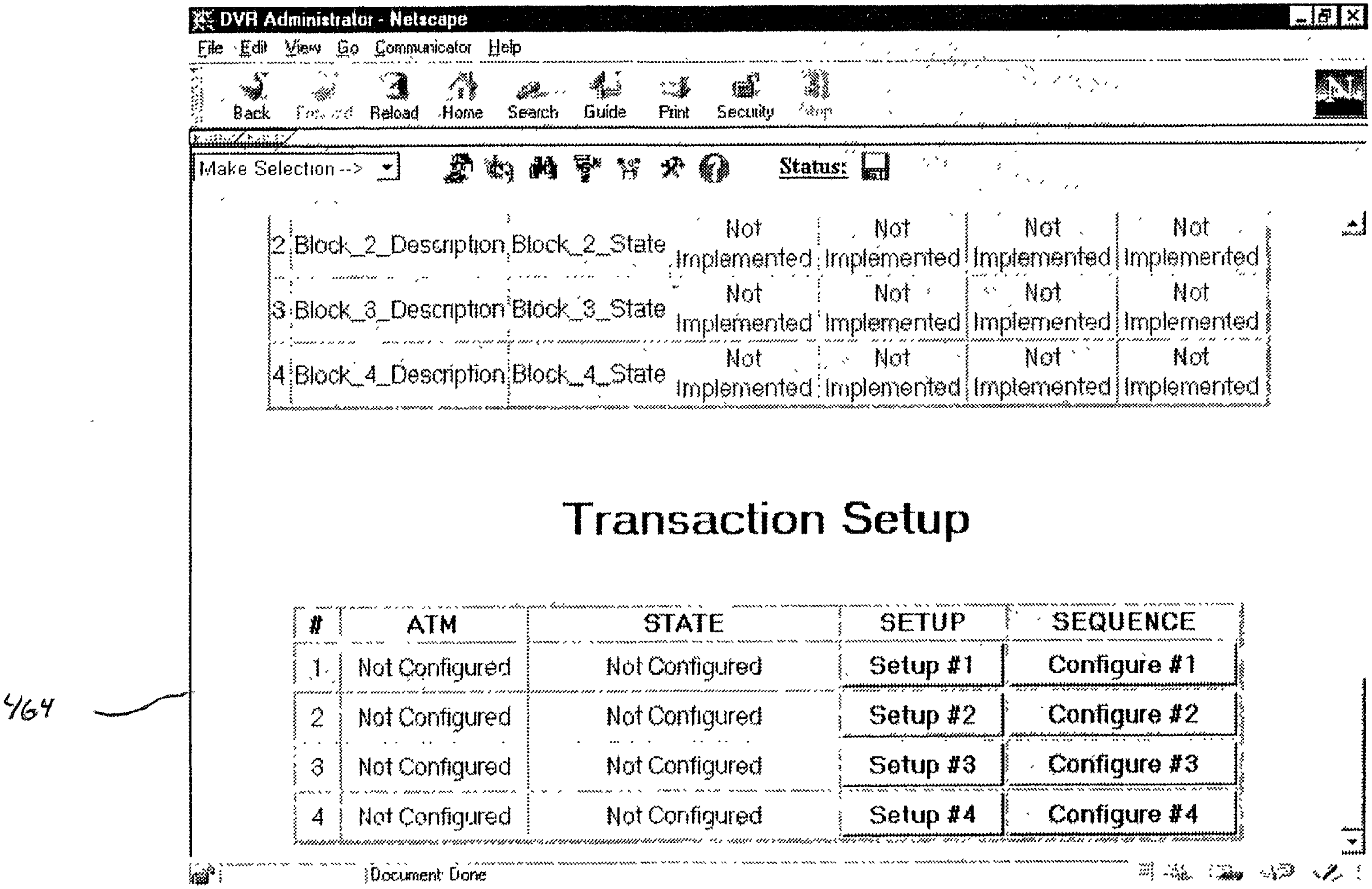
1 Send E-Mail to Security

THEN

2 02- takes 2 images every 1 seconds for 20 ● seconds ○ images

AccuGuard Setup Page

Fig 57



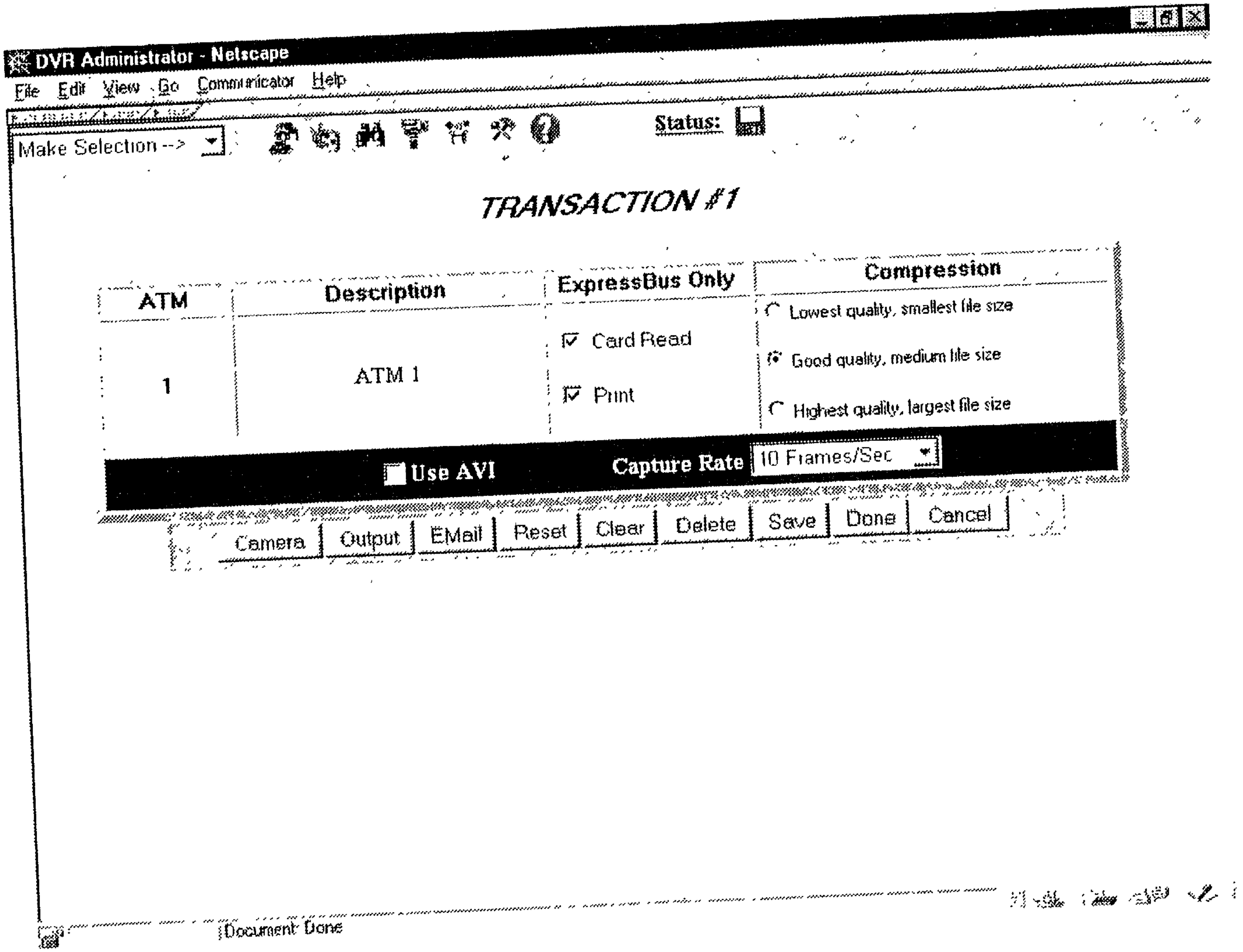
2	Block_2_Description	Block_2_State	Not Implemented	Not Implemented	Not Implemented	Not Implemented
3	Block_3_Description	Block_3_State	Not Implemented	Not Implemented	Not Implemented	Not Implemented
4	Block_4_Description	Block_4_State	Not Implemented	Not Implemented	Not Implemented	Not Implemented

Transaction Setup

#	ATM	STATE	SETUP	SEQUENCE
1	Not Configured	Not Configured	Setup #1	Configure #1
2	Not Configured	Not Configured	Setup #2	Configure #2
3	Not Configured	Not Configured	Setup #3	Configure #3
4	Not Configured	Not Configured	Setup #4	Configure #4

Transaction Setup Block (Sequence Programming page)

FIG 58



DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:

TRANSACTION #1

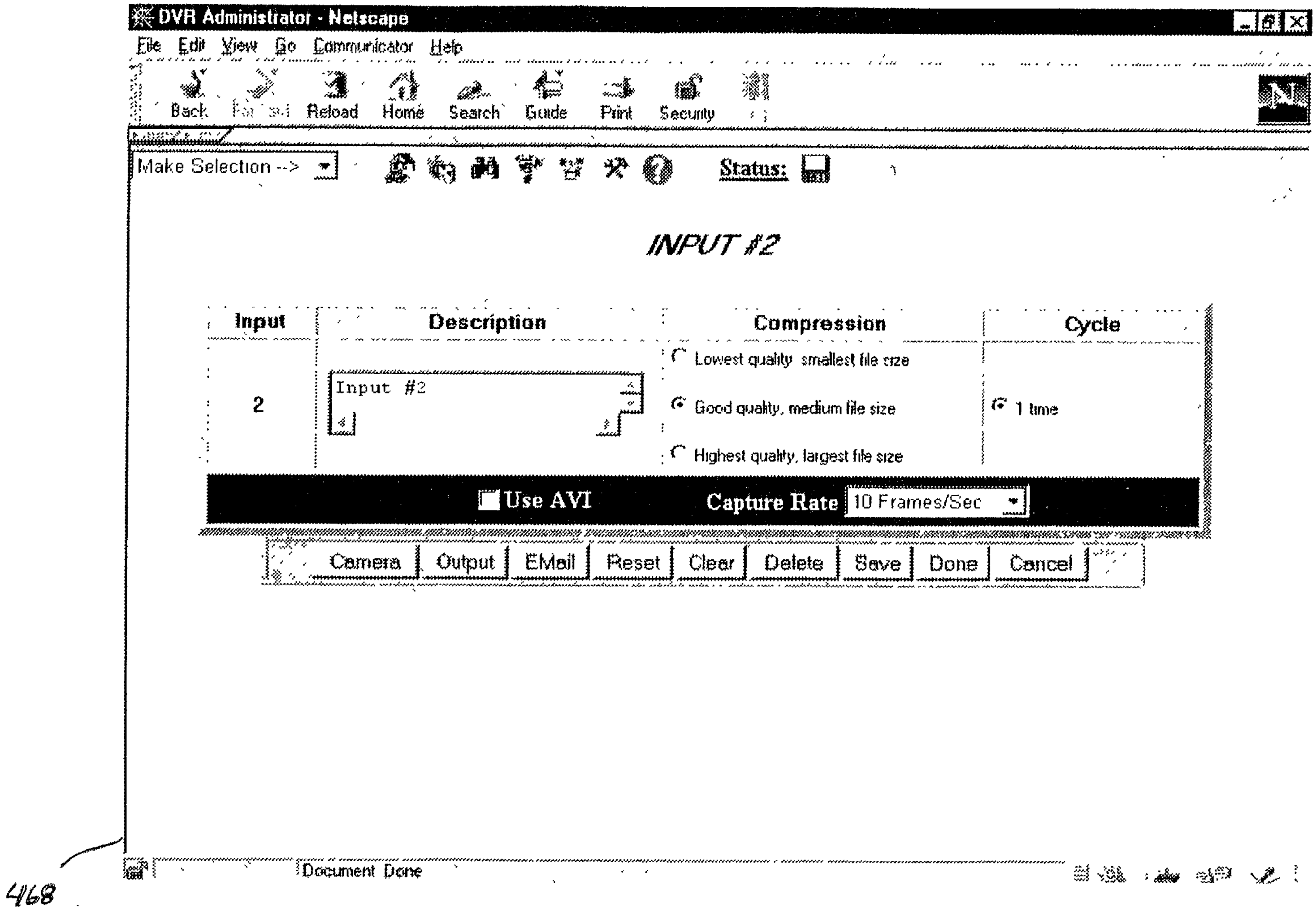
ATM	Description	ExpressBus Only	Compression
1	ATM 1	☑ Card Read ☑ Print	○ Lowest quality, smallest file size ● Good quality, medium file size ○ Highest quality, largest file size

☐ Use AVI

Capture Rate: 10 Frames/Sec

Transaction #1 Page

FIG 59



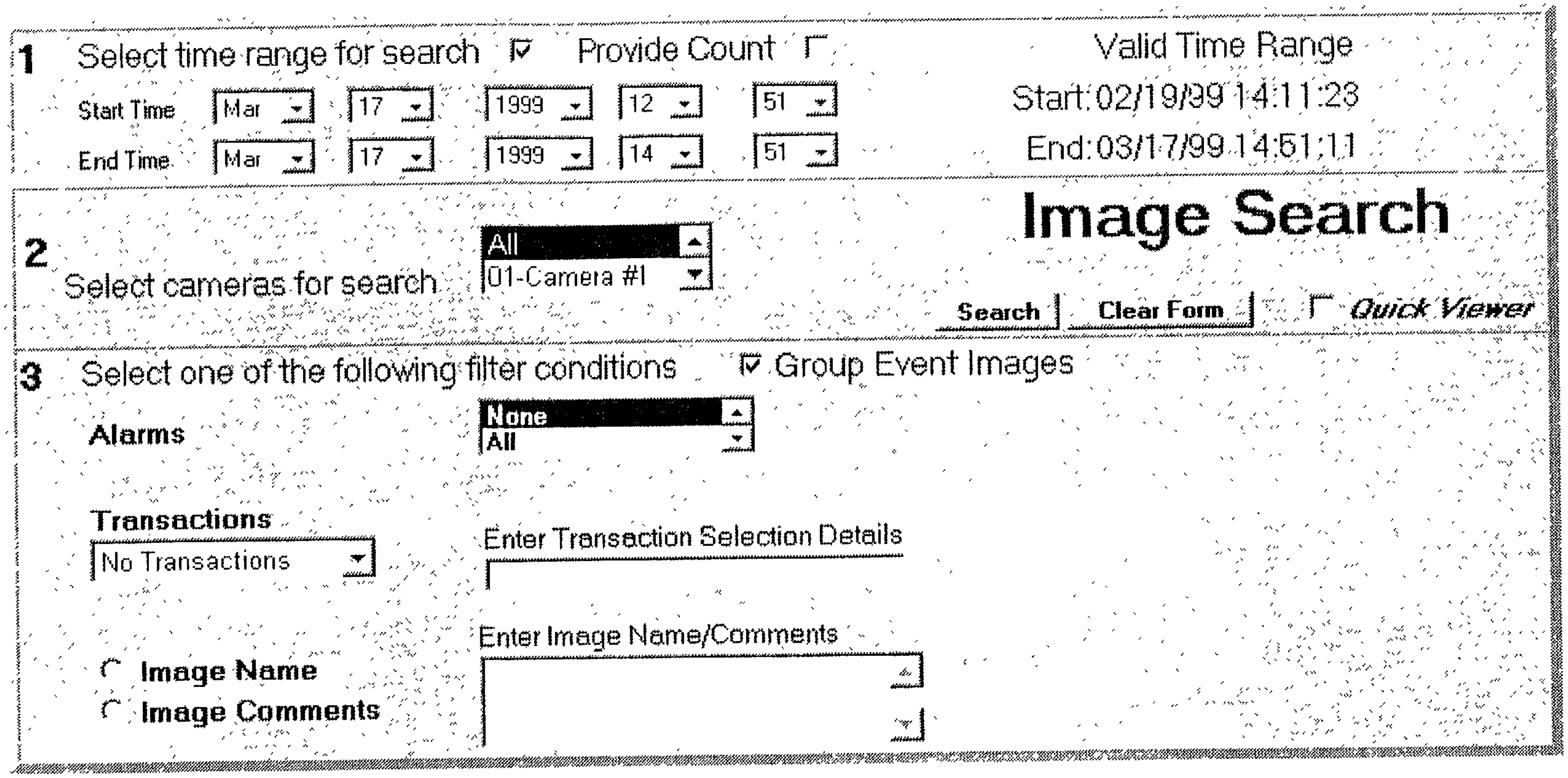
INPUT #2

Input	Description	Compression	Cycle
2	Input #2	○ Lowest quality, smallest file size ● Good quality, medium file size ○ Highest quality, largest file size	● 1 time

☐ Use AVI

Capture Rate: 10 Frames/Sec

FIG 60



1 Select time range for search ☑ Provide Count ☐

Start Time Mar 17 1999 12 51

End Time Mar 17 1999 14 51

Valid Time Range

Start:02/19/99 14:11:23

End:03/17/99 14:51:11

2 Select cameras for search All / 01-Camera #1

3 Select one of the following filter conditions ☑ Group Event Images

Alarms None / All

Transactions No Transactions

Enter Transaction Selection Details

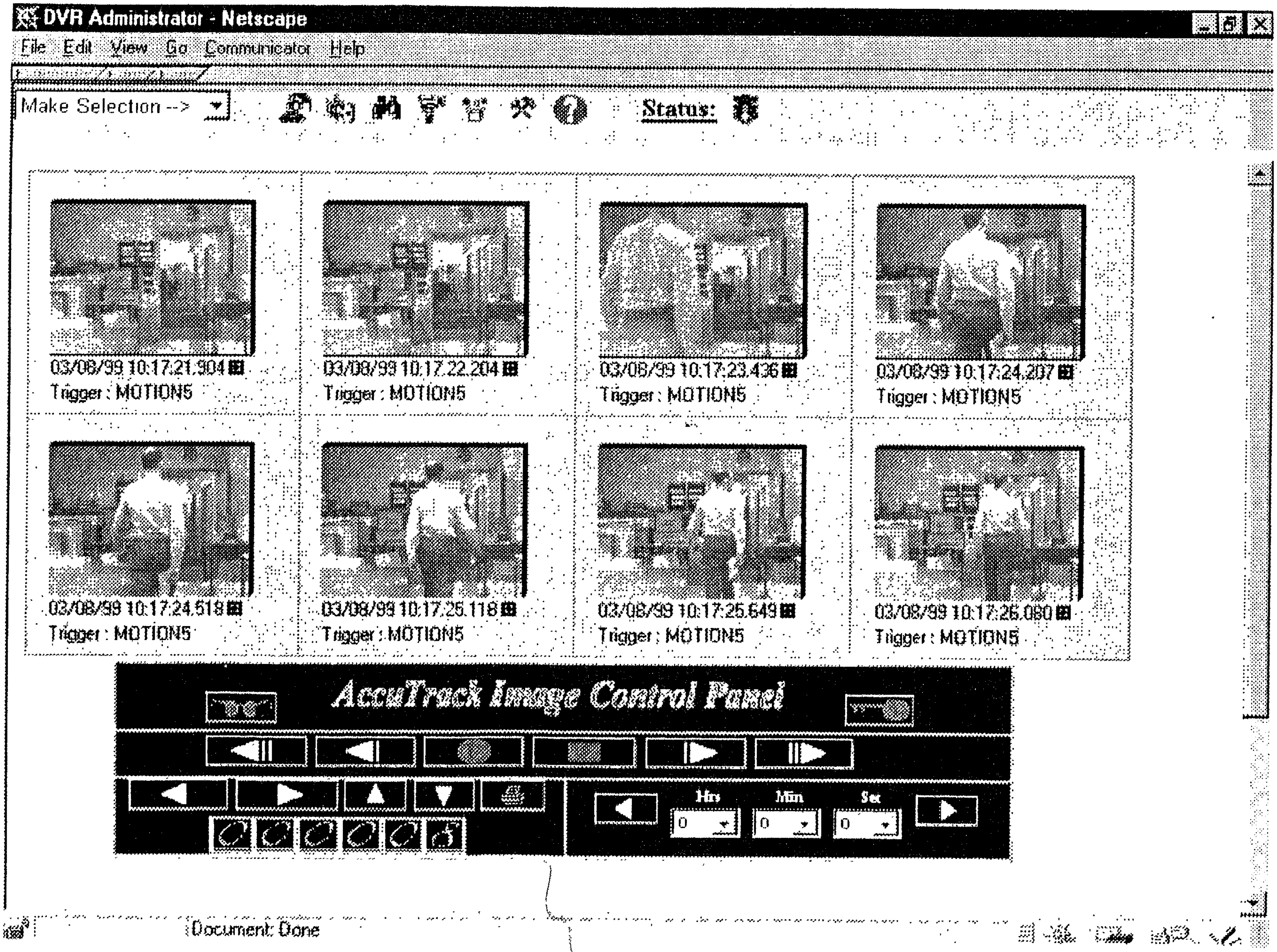
○ Image Name

○ Image Comments

Enter Image Name/Comments

Image Search Page

Fig 61


DVR Administrator - Netscape

File Edit View Go Communicator Help

Make Selection -->

Status:

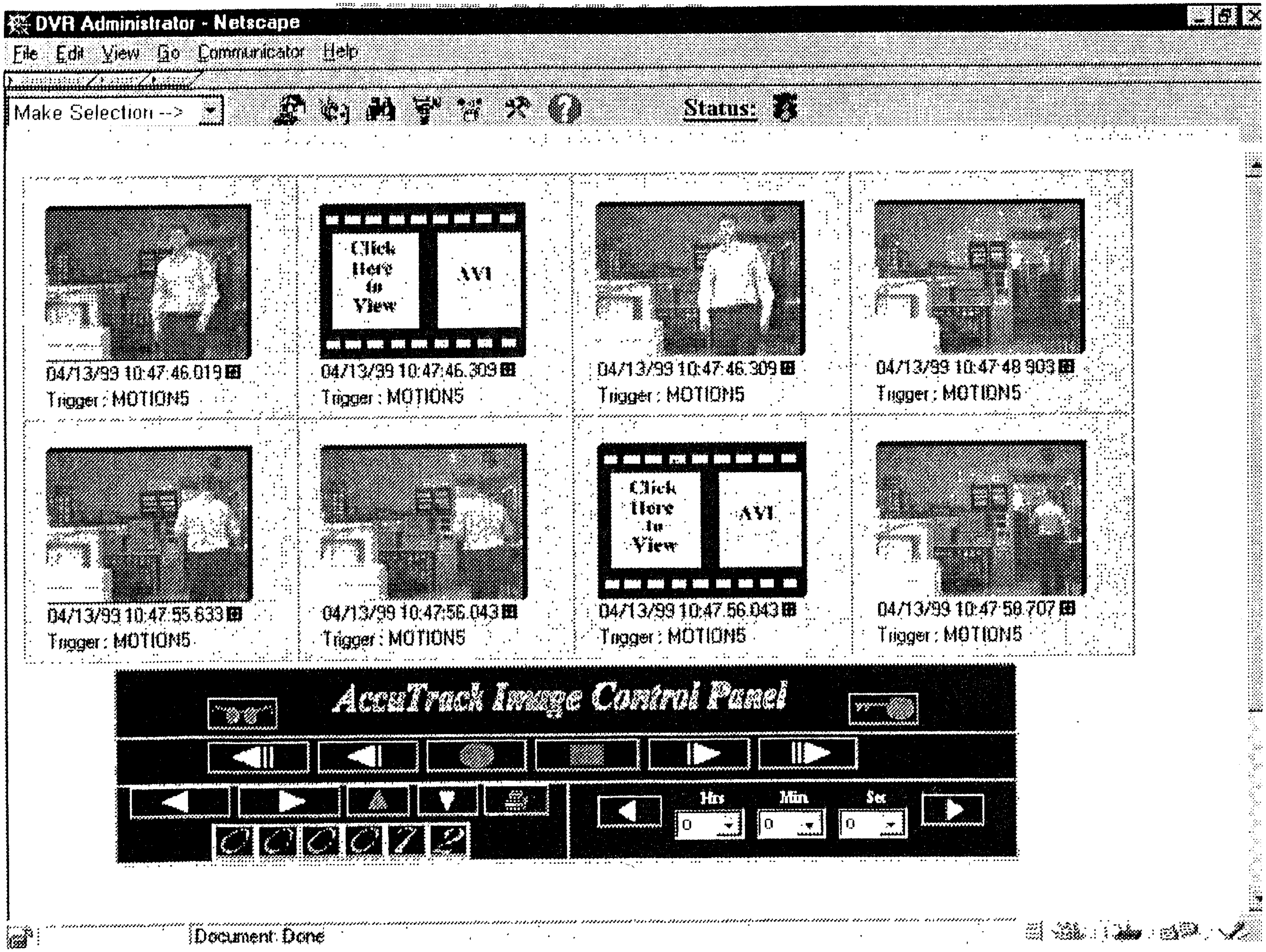
03/08/99 10:17:21.904 Trigger : MOTION5	03/08/99 10:17:22.204 Trigger : MOTION5	03/08/99 10:17:23.436 Trigger : MOTION5	03/08/99 10:17:24.207 Trigger : MOTION5
03/08/99 10:17:24.518 Trigger : MOTION5	03/08/99 10:17:25.118 Trigger : MOTION5	03/08/99 10:17:25.649 Trigger : MOTION5	03/08/99 10:17:26.080 Trigger : MOTION5

AccuTrack Image Control Panel

Hrs 0 Min 0 Sec 0

Document: Done

FIG 62



04/13/99 10:47:46.019
Trigger : MOTION5

04/13/99 10:47:46.309
Trigger : MOTION5

04/13/99 10:47:46.309
Trigger : MOTION5

04/13/99 10:47:48.903
Trigger : MOTION5

04/13/99 10:47:55.633
Trigger : MOTION5

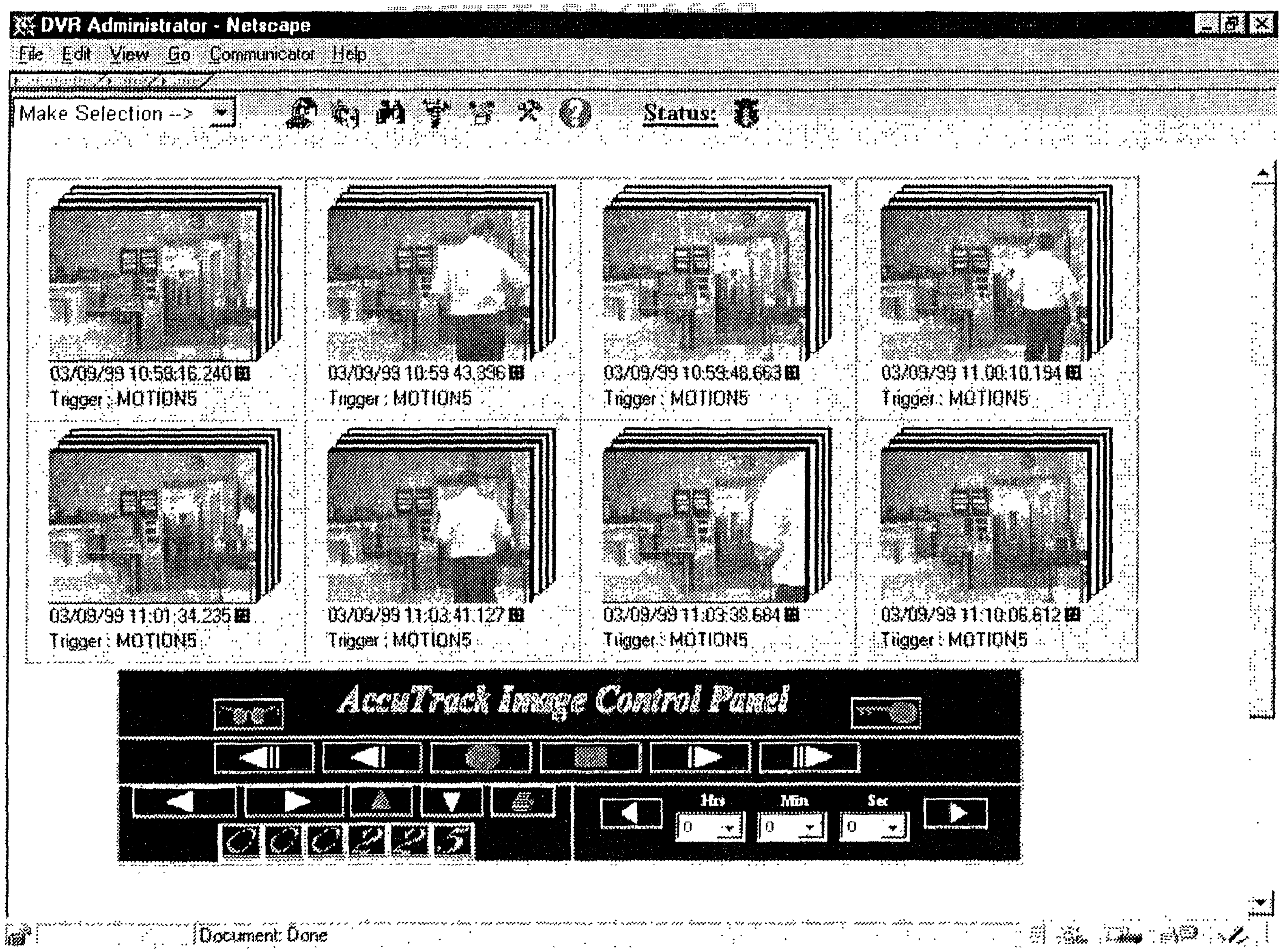
04/13/99 10:47:56.043
Trigger : MOTION5

04/13/99 10:47:56.043
Trigger : MOTION5

04/13/99 10:47:58.707
Trigger : MOTION5

FIG 63

Images Page Including AVI Symbols for AVI Files


DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:
AccuTrack Image Control Panel
Hrs
Min
Sec
0
0
0
Document: Done

03/09/99 10:58:16.240
Trigger : MOTION5

03/09/99 10:59:43.396
Trigger : MOTION5

03/09/99 10:59:48.663
Trigger : MOTION5

03/09/99 11:00:10.194
Trigger : MOTION5

03/09/99 11:01:34.235
Trigger : MOTION5

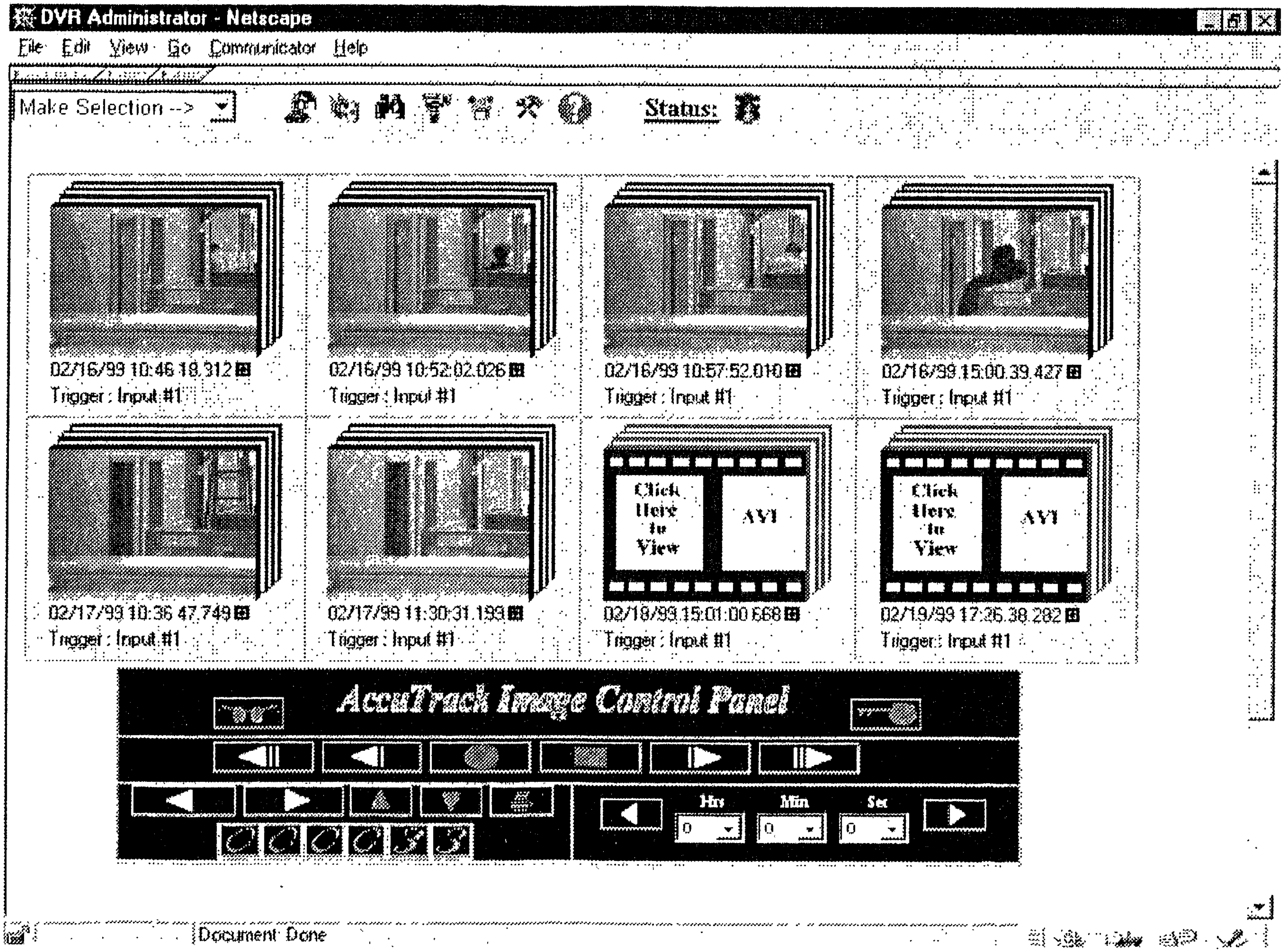
03/09/99 11:03:41.127
Trigger : MOTION5

03/09/99 11:03:38.684
Trigger : MOTION5

03/09/99 11:10:06.612
Trigger : MOTION5

FIG 64

Standard Events Page


DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:

02/16/99 10:46:18.312
Trigger : Input #1

02/16/99 10:52:02.026
Trigger : Input #1

02/16/99 10:57:52.010
Trigger : Input #1

02/16/99 15:00:39.427
Trigger : Input #1

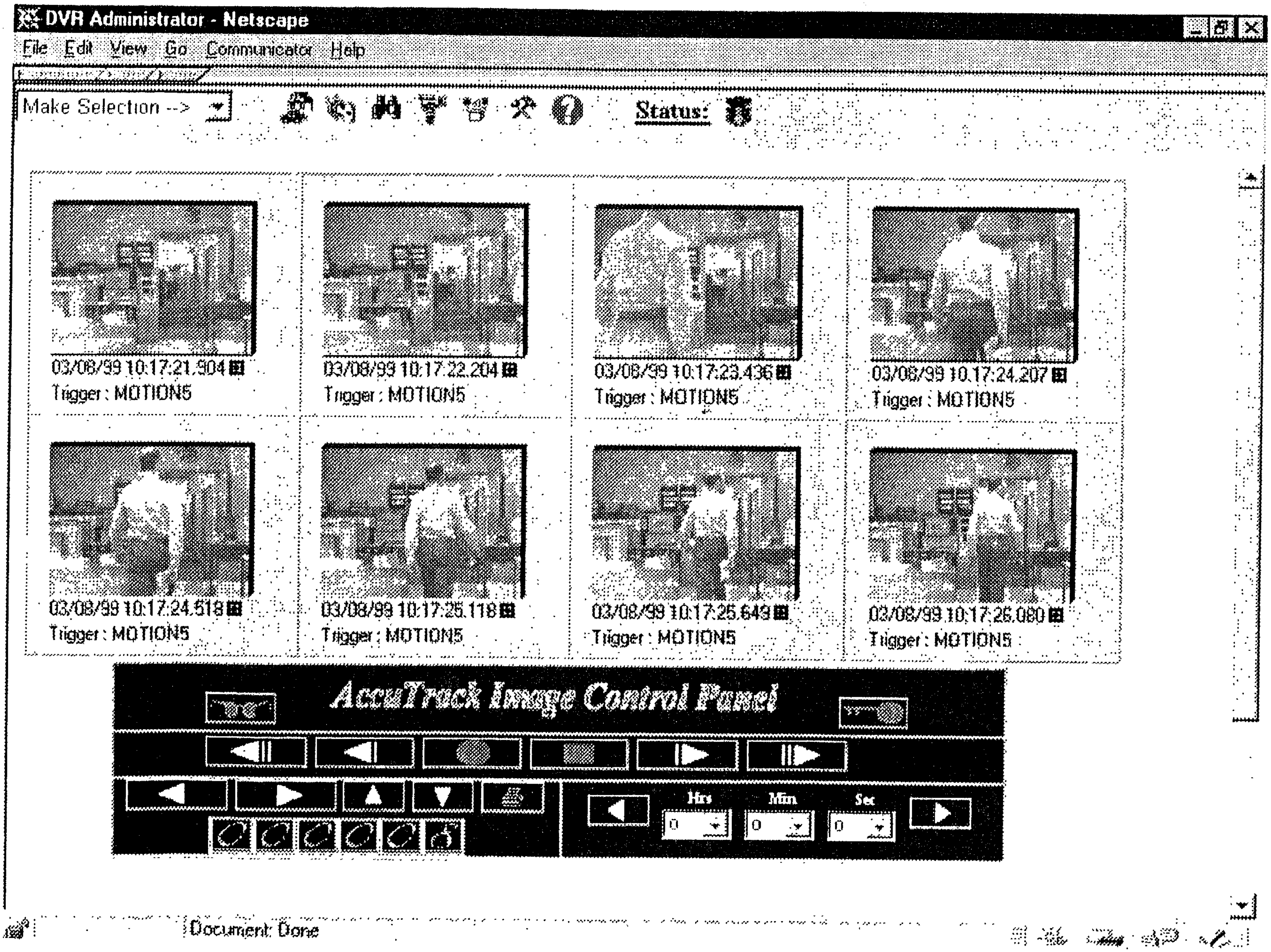
02/17/99 10:36:47.749
Trigger : Input #1

02/17/99 11:30:31.199
Trigger : Input #1

02/18/99 15:01:00.668
Trigger : Input #1

02/19/99 17:26:38.282
Trigger : Input #1

FIG 65



03/08/99 10:17:21.904
Trigger : MOTION5

03/08/99 10:17:22.204
Trigger : MOTION5

03/08/99 10:17:23.436
Trigger : MOTION5

03/08/99 10:17:24.207
Trigger : MOTION5

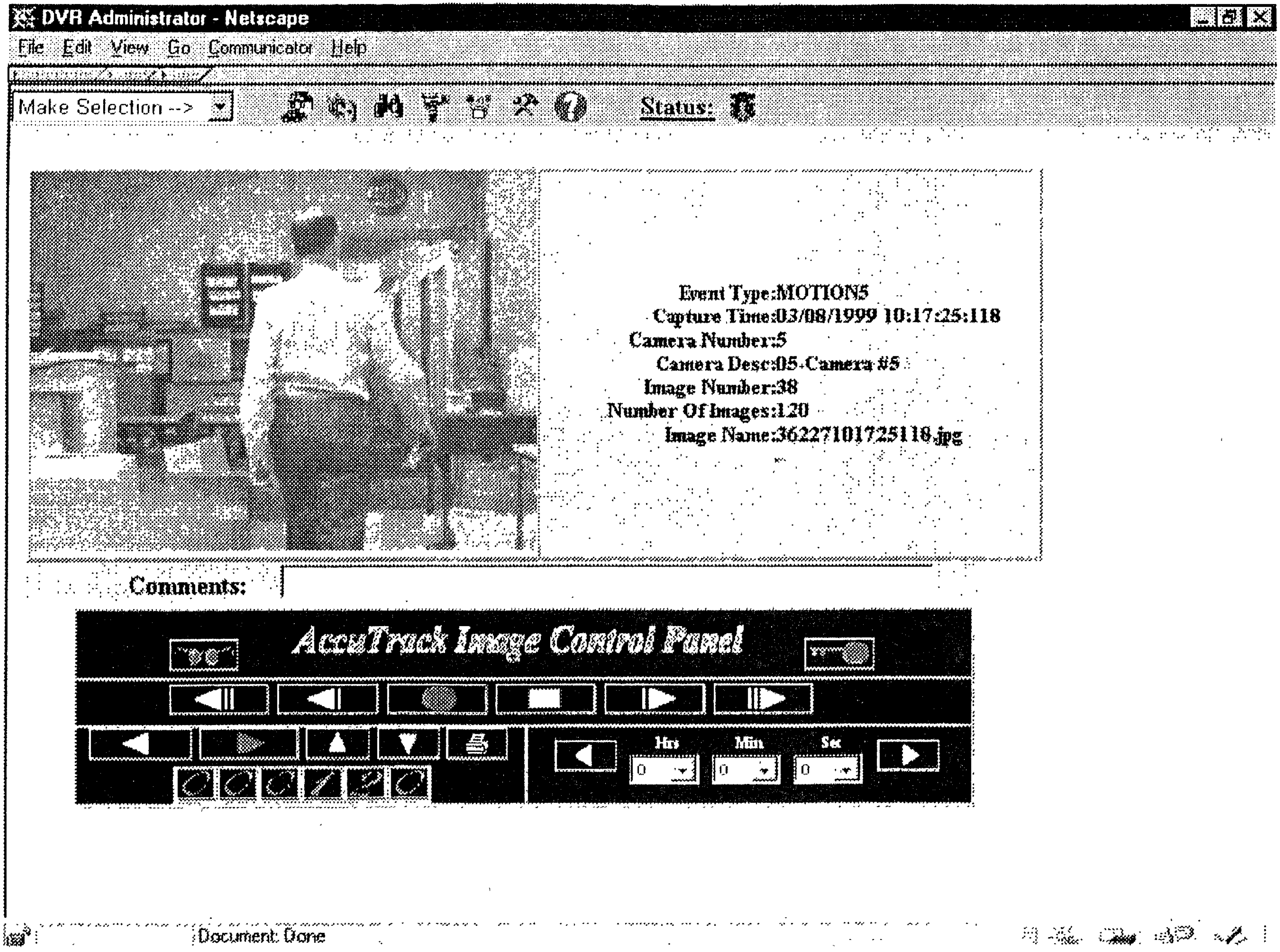
03/08/99 10:17:24.518
Trigger : MOTION5

03/08/99 10:17:25.118
Trigger : MOTION5

03/08/99 10:17:25.649
Trigger : MOTION5

03/08/99 10:17:26.080
Trigger : MOTION5

Fig 66



DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:
AccuTrack Image Control Panel
Hrs
Min
Sec
Document: Done

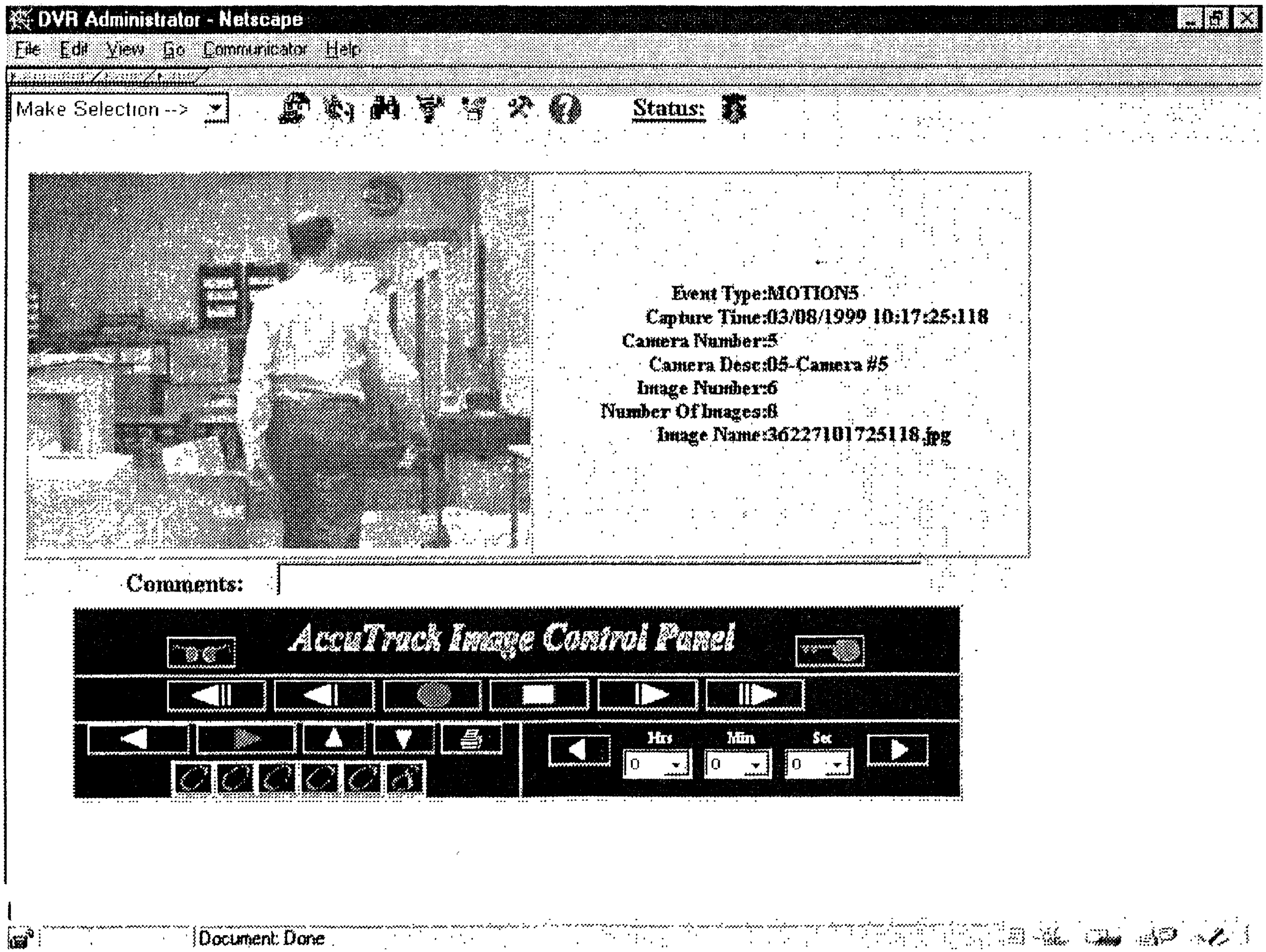
Event Type:MOTION5
Capture Time:03/08/1999 10:17:25:118
Camera Number:5
Camera Desc:05-Camera #5
Image Number:38
Number Of Images:120
Image Name:36227101725118.jpg

Comments:

Hrs: 0
Min: 0
Sec: 0

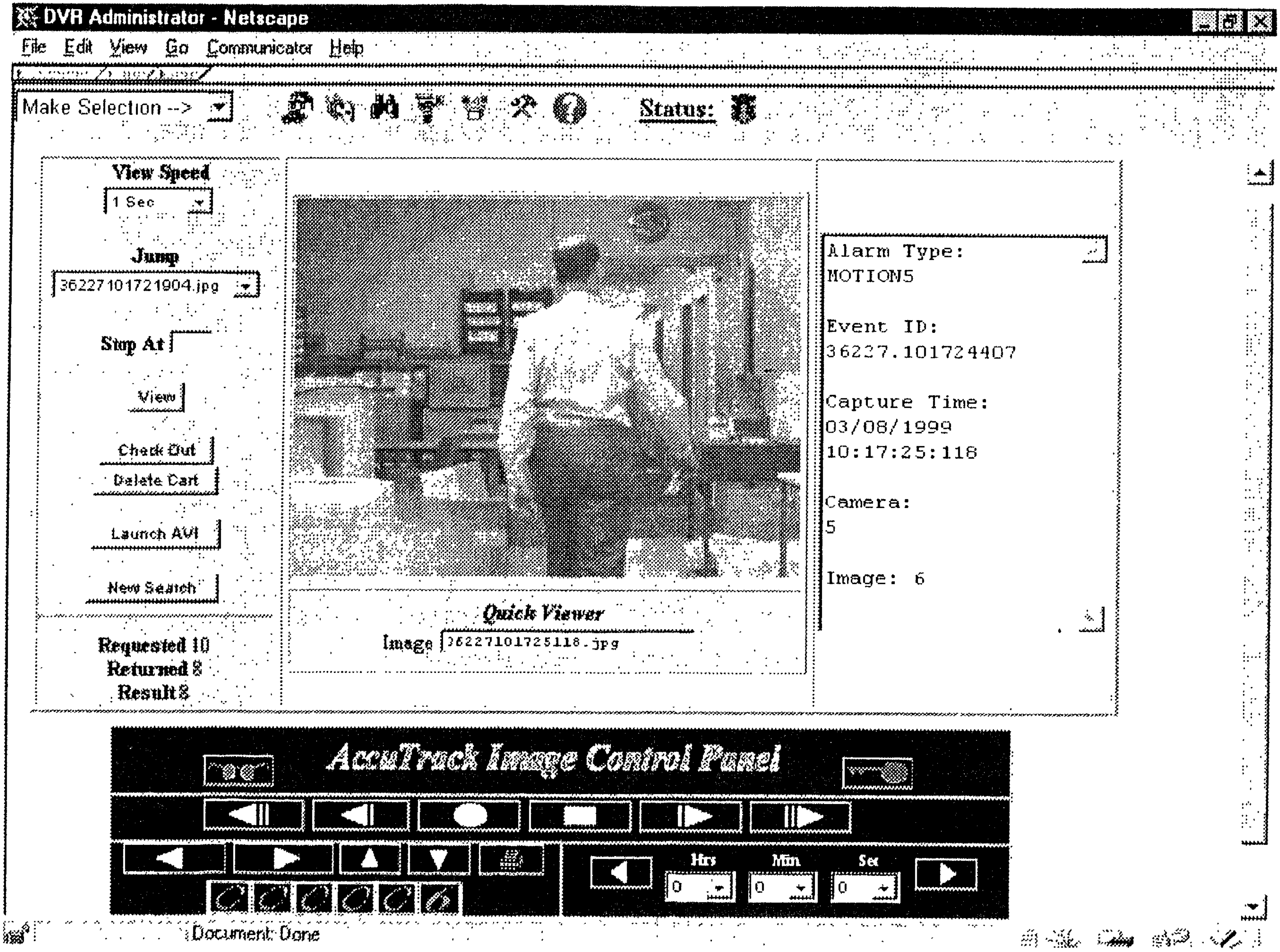
Fig 67

Event Images Not Grouped


DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:
Comments:
AccuTrack Image Control Panel
Hrs
Min
Sec
0
0
0
Document: Done

Event Type:MOTION5
Capture Time:03/08/1999 10:17:25:118
Camera Number:5
Camera Desc:05-Camera #5
Image Number:6
Number Of Images:8
Image Name:36227101725118.jpg

Fig 68



View Speed: 1 Sec

Jump: 36227101721904.jpg

Requested 10
Returned 8
Result 8

Image: 36227101725118.jpg

Alarm Type:
MOTION5

Event ID:
36227.101724407

Capture Time:
03/08/1999
10:17:25:118

Camera:
5

Image: 6

Hrs: 0
Min: 0
Sec: 0

F1G 69

Quick Viewer Page

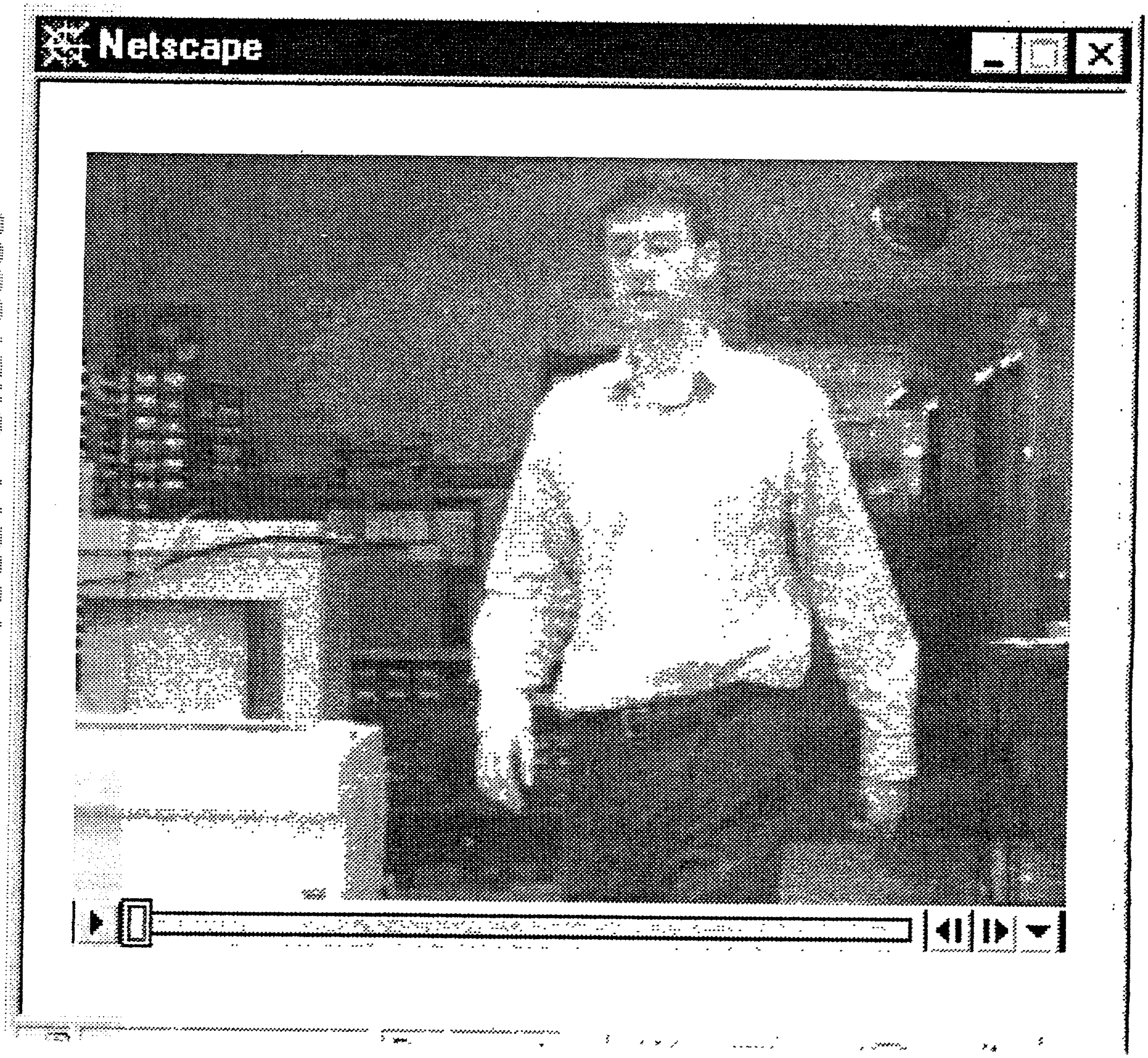
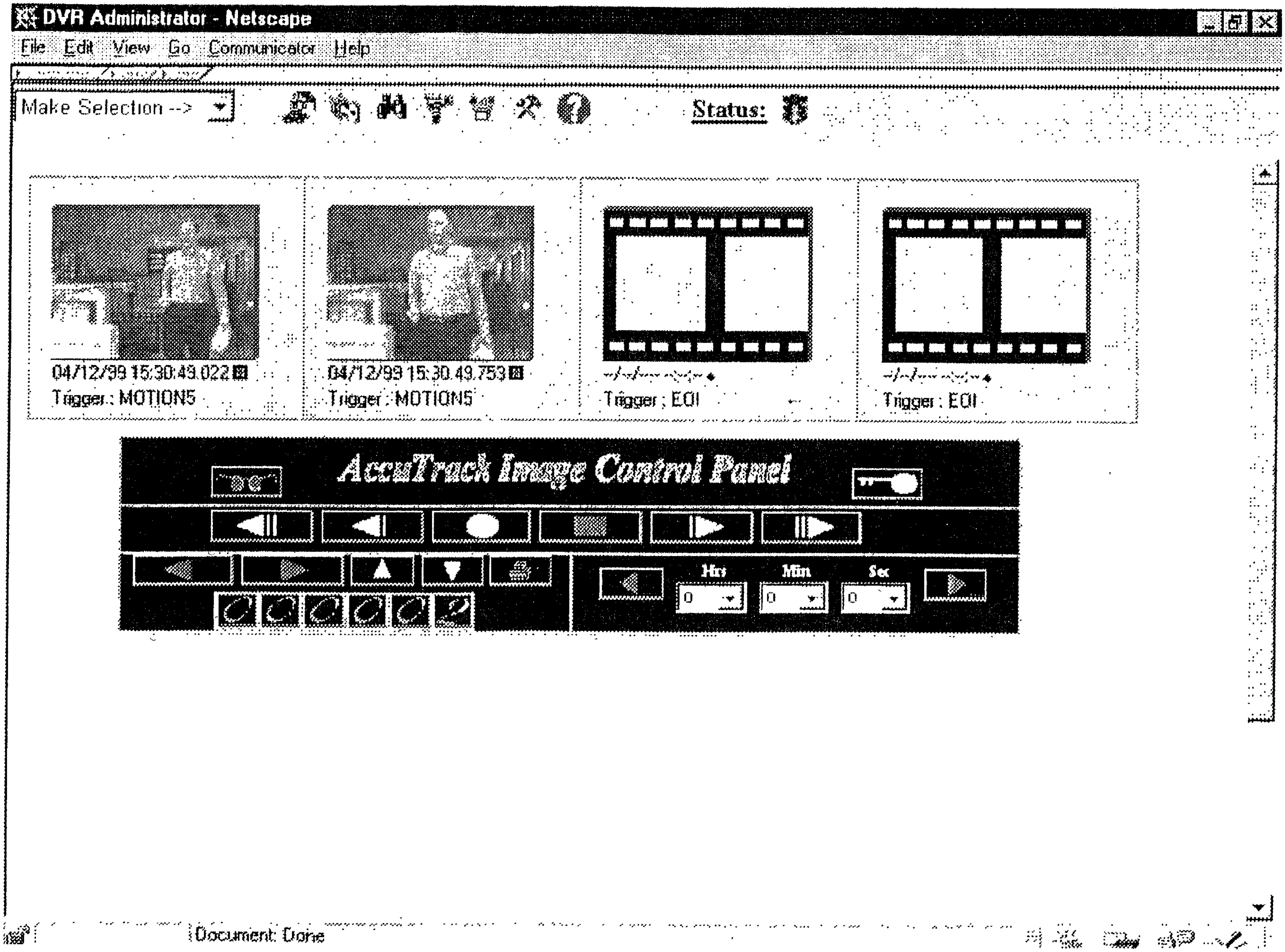


Fig 70

09591748 . 112301


DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:
AccuTrack Image Control Panel
Hrs
Min
Sec

04/12/99 15:30:49.022
Trigger : MOTION5

04/12/99 15:30:49.753
Trigger : MOTION5

Trigger : EOI

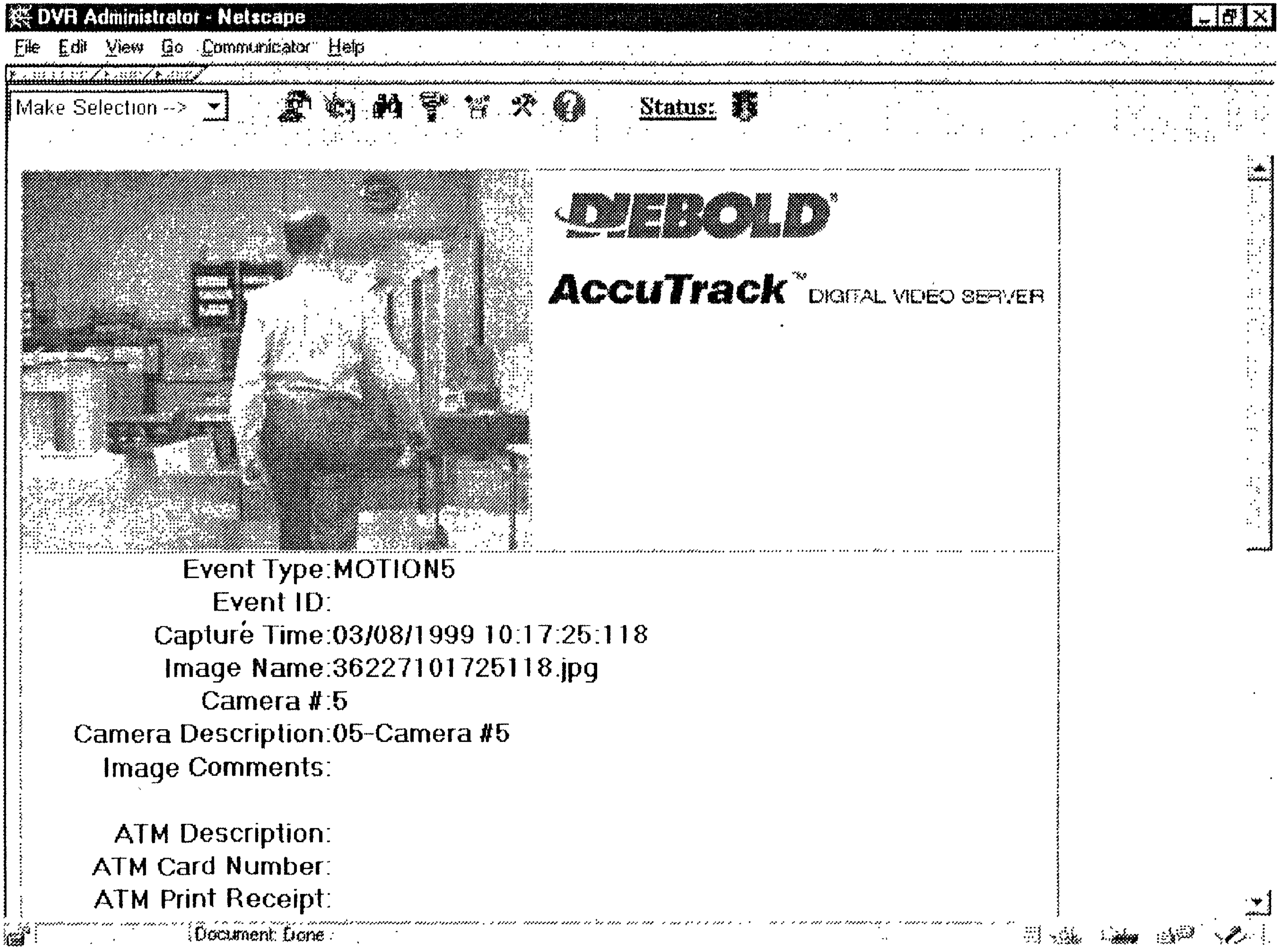
Trigger : EOI

Hrs 0 Min 0 Sec 0

Document: Done

FIG 71

Image Cart Page


DVR Administrator - Netscape
File Edit View Go Communicator Help
Make Selection -->
Status:
DIEBOLD®
AccuTrack™ DIGITAL VIDEO SERVER
Document: Done

Event Type:MOTION5
Event ID:
Capture Time:03/08/1999 10:17:25:118
Image Name:36227101725118.jpg
Camera #:5
Camera Description:05-Camera #5
Image Comments:

ATM Description:
ATM Card Number:
ATM Print Receipt:

FIG 72

Search Results Pages and Views

PAGE	FIGURE/VIEW	COMMENTS	PROCEDURES
Images page (standard)	Fig 62	Note the following items. • This page displays up to eight single thumbnail images. • Images display with single black borders. • If you do *not* select Group Event Images on the Image Search page or you do *not* modify the default filter conditions, the images page is the first search results page that displays.	To display an enlarged single image, click on a thumbnail image displayed on the images page.
Images page for AVI mode	Fig 63	When a sequence is captured in AVI mode, images are saved in the following format: • The first image is saved as a JPEG file. • All images between the first image and the last image are saved as an AVI clip. • The last image is saved as a JPEG file.	To view the AVI clip, click on the AVI symbol.
Events page (standard)	Fig 64	Note the following items: • This page displays up to eight events. • For each event, a thumbnail image of the first image in the event displays. • Images display with *black feathered* borders that suggest grouped images. • If you select Group Event Images on the Image Search page and modify the default filter conditions, the events page is the first search results page that displays. Otherwise, this page is not accessible.	To display an expanded view of a specific event, click on a thumbnail image displayed on the events page.
Events page including events captured in AVI mode	Fig 65	Note the following items: • The AVI symbol indicates that AccuTrack captured an event in AVI mode. • If you anticipate that your search results include a lot of AVI files, it is preferable to *de-select* Group Event Images on the Image Search page. Then the JPEG files captured before and after the AVI clip display on the first search results page (the images page).	To view the AVI clip, click on the AVI symbol on the events page, and then click on the AVI symbol on the expanded event page.

FIG 73

Search Results Pages and Views (continued)

PAGE	FIGURE/VIEW	COMMENTS	PROCEDURES
Expanded event page	FIG 66	Expands an event group from the events page. Displays up to eight thumbnail images for an event group selected on the events page.	To display an enlarged single image, click on a thumbnail image displayed on the expanded event page.
Single image page	FIG 67 FIG 68	Displays a single enlarged image with information about the image.	Use the following options as desired: • Type comments in the Comments field that can be used as a filter condition in a subsequent image search. • Download the image cart from this page. • Print images from this page.
Quick Viewer page	FIG 69	Note the buttons that are enabled on the AccuTrack Image Control Panel when Quick Viewer is selected on the Image Search page.	To view the search results using Quick Viewer, use the AccuTrack Image Control Panel.
AVI viewer window	FIG 70	You must have a Web browser plug-in such as QuickTime™ to view AVI clips. [2]	Use this window to view AVI files. Refer to specific documentation for your AVI viewer.
Image cart page	FIG 71	Note the following items: • This page displays thumbnail images for JPG files in the image cart and AVI symbols for AVI files in the image cart. • Images display with single red borders.	
Print preview page	FIG 72	This page displays a print preview of a single image. The displayed information also prints with the image.	

[2] You can download QuickTime from http://www.apple.com/quicktime/.

FIG 74

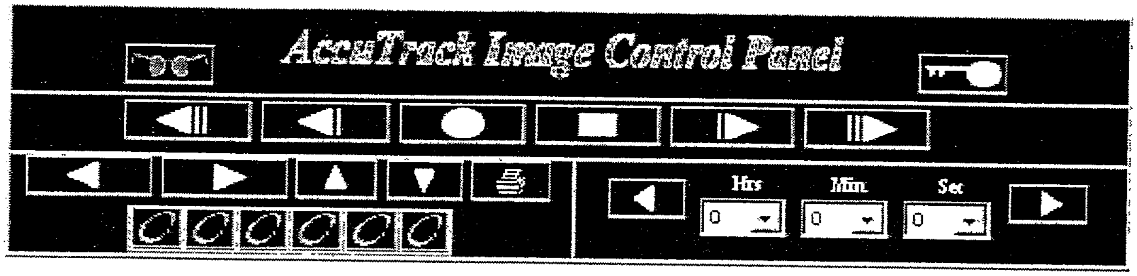
Data Stored or Displayed with an Enlarged Single Image

FIELD	DESCRIPTION
Event Type	Type of sequence that generated the image capture. May be one of the following types: • SCHEDULED. Daily program sequence • INPUT. (Alarm) input sequence • MOTION. Motion (detection) sequence • BLOCKEDCAM. Blocked camera sequence • CARD READ. Transaction sequence initiated by a card read at the ATM • PRINTER. Transaction sequence initiated by printing of ATM receipt
Capture Time	Date and time the image was captured, to thousandths of a second
Image Name	Filename of the image on the AccuTrack hard disk
Camera #	Camera number (01 through 24)
Camera Description	Camera description entered under the Camera Setup menu option.
Image Comments	Comments typed on the single image page
Alarm Description	Alarm description entered under the Sequence Setup/Input Setup menu option. See
Number of Images	The Number of Images is one of the following values: [1] • Number of images in the current cache of search results • Number of images in the search results • Number of images in the selected event
Image Number	Sequential number of this image in the Number of Images
ATM Description	ATM description entered under the ATM Setup menu option.
ATM Card Number	ATM card number for the transaction
ATM Transaction Type	Description of the ATM activity, such as deposit, withdrawal, or card retained. This field may be unknown.
ATM Print Receipt	ATM receipt associated with the image. This option must be configured under the Sequence Setup/Transaction Setup menu option.

[1] On the single image page, the Number of Images also displays on the image counter.

FIG 75

172



AccuTrack Image Control Panel

Buttons

Buttons on the AccuTrack Image Search Control Panel display with one of the following colors:

- **White** - Enabled
- **Yellow** - Enabled and selected. Click to activate.
- **Gray** - Disabled

FIG 76

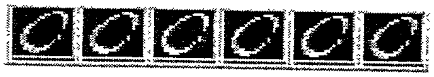


Image Counter

FIG 77

09991748.112301

AccuTrack Image Control Panel Buttons

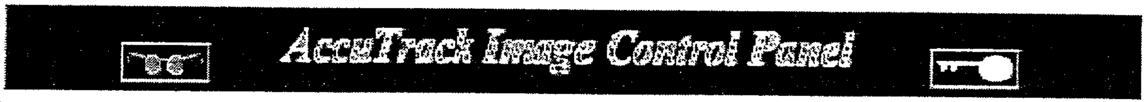
BUTTON	IMAGES PAGE	EVENTS PAGE	EXPANDED EVENT PAGE	SINGLE IMAGE PAGE	QUICK VIEWER PAGE
 AccuTrack Image Control Panel					
476 👓	View images in the image cart. (If there are no images in the image cart, this button is disabled.)				
477 🔑	Save images in the image cart to disk with a digital signature that authenticates the image and associated data. (If there are no images in the image cart, this button is disabled.)				
◀❙❙	Get first frame	Get first event	Get first frame in the event	Get first frame	Get first image in the group
◀❙	Get previous frame	Get previous event	Get previous frame in the event	Get previous frame	Get previous image in the group
●	Clear image cart (if enabled)	Clear image cart (if enabled)	Clear image cart (if enabled)	Clear image cart (if enabled)	Play (view images in current group) [1]
■	(disabled)	(disabled)	(disabled)	Save comments	Stop
❙▶	Get next frame	Get next event	Get next frame in the event	Get next frame	Get next image in the group
❙❙▶	Get last frame	Get last event	Get last frame in the event	Get last frame	Get last image in the group

FIG 78

AccuTrack Image Control Panel Buttons (continued)

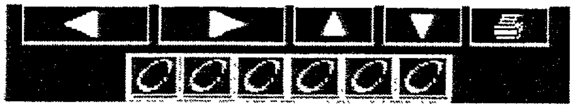
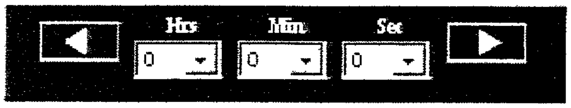
BUTTON	IMAGES PAGE	EVENTS PAGE	EXPANDED EVENT PAGE	SINGLE IMAGE PAGE	QUICK VIEWER PAGE
					
◀	Get previous set of 8 frames	Get previous set of 8 events	Get previous set of 8 frames in the event	Show events (if enabled)	Reverse frames
▶	Get next set of 8 frames	Get next set of 8 events	Get next set of 8 frames in the event	Show ATM visit (if enabled)	Forward frames
▲	View event images (first frame)	(disabled)	Return to events (up one level)	Return to the previous level	Get previous group
▼	Perform a new search	Perform a new search	Perform a new search	Check in or check out an image (toggle button) for the image cart	Get next group
🖶	Disabled	Disabled	Disabled	Print preview	Disabled
Image counter (when Provide Count is selected and default filter conditions are modified on the Image Search page)	Displays the number of images that meet the search criteria	Displays the number of events that meet the search criteria	Displays the number of images in the event	Displays the number of images from the previous level (images page or expanded event page)	Displays the number of the current image in the current group
Image counter (when Provide Count is *not* selected on the Image Search page)	Displays the number of images in the current cache [2]	Displays the number of events in the current cache [2]	Displays the number of images in the event	Displays the number of images from the previous level (images page or expanded event page)	Displays the number of the current image in the current group

FIG 79

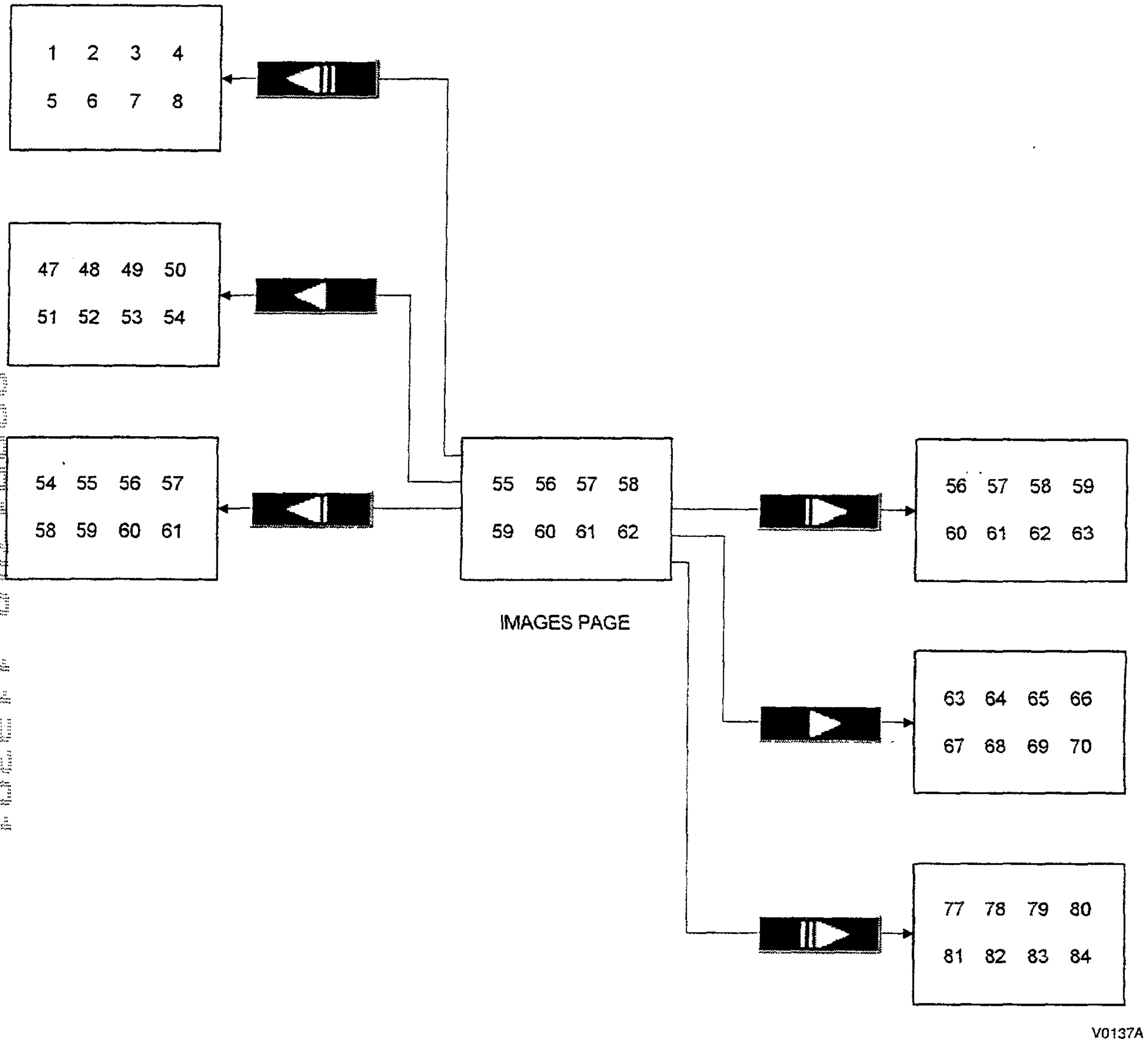
AccuTrack Image Control Panel Buttons (continued)

BUTTON	IMAGES PAGE	EVENTS PAGE	EXPANDED EVENT PAGE	SINGLE IMAGE PAGE	QUICK VIEWER PAGE
					
◀	Select hours, minutes, and seconds, and then click on this button to go backward the selected amount of time.				
▶	Select hours, minutes, and seconds, and then click on this button to go forward the selected amount of time.				

[1] To view an AVI clip from the Quick Viewer page, navigate to the AVI symbol and then click on the Launch AVI button.

[2] When you perform an image search, up to 100 images or events (as applicable) are cached to improve search result access times. When you do *not* select Provide Count on the Image Search page, the image counter displays information about the cached images or events.

Fig 80



NOTE

- Rectangles represent the images page.
- Numbers represent image numbers for the thumbnail images on the images page.
- The example shows a total of 84 images in the search results.

Fig 81

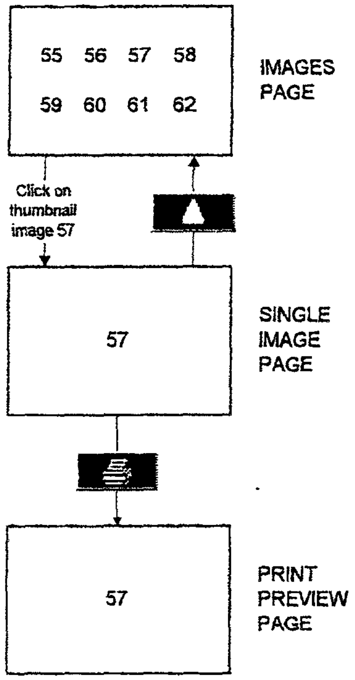


Fig 82

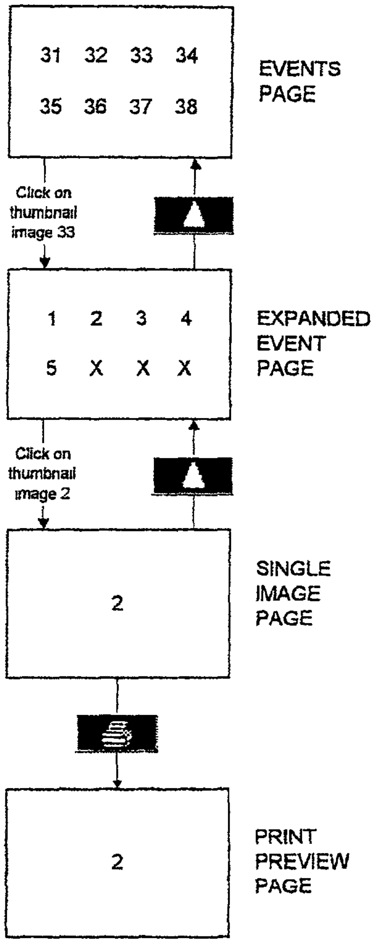


Fig 83

NOTE

- Rectangles represent search result pages.
- Numbers represent event numbers or image numbers.
- The example shows 5 images in event number 33.

Image Cart Symbol

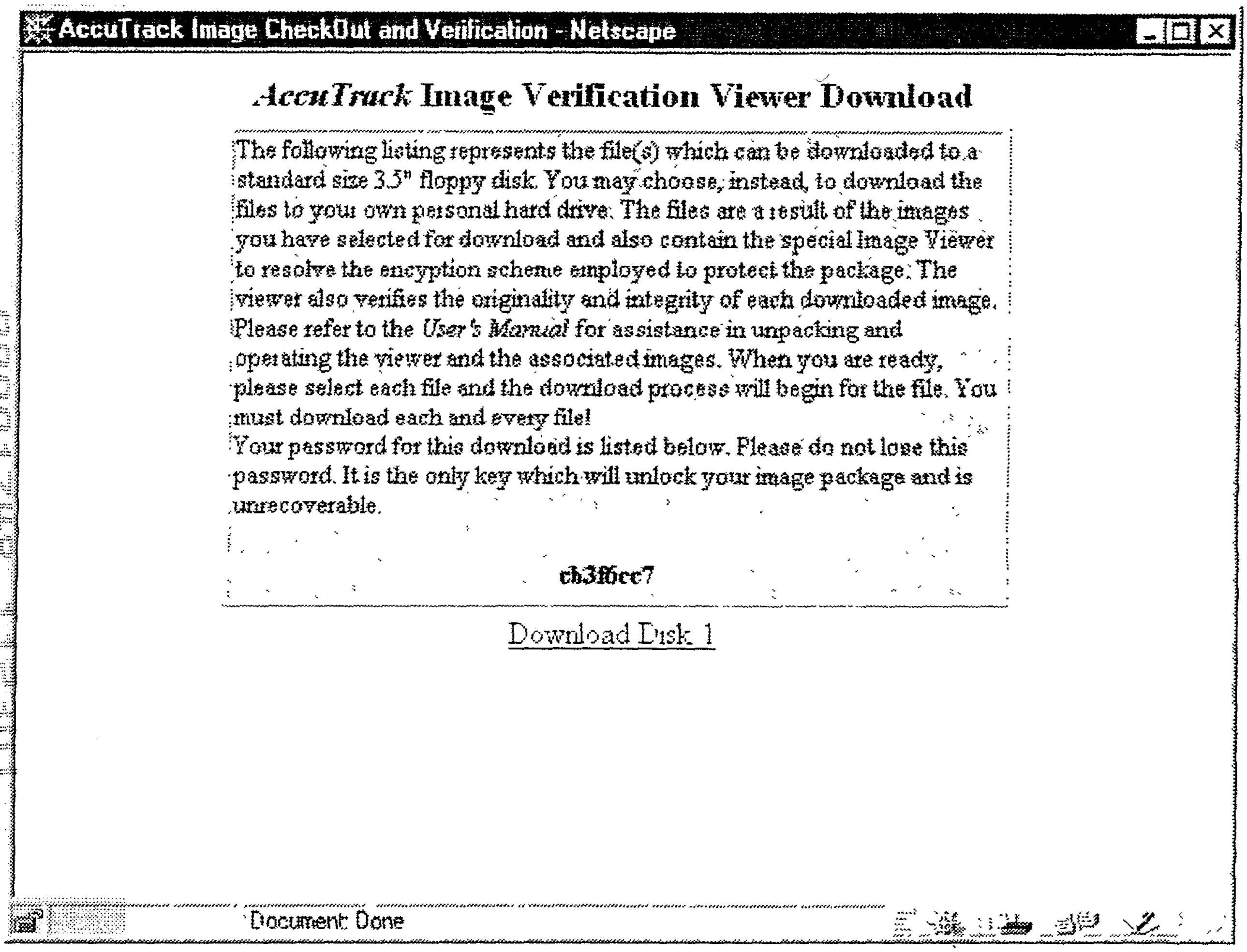
SYMBOL	IMAGES PAGE	EVENTS PAGE	EXPANDED EVENT PAGE	SINGLE IMAGE PAGE	IMAGE CART PAGE
Black image cart symbol ▣ 474	Image is *not* in the image cart. Click on the black image cart symbol to check out the image (add the image to the image cart).	Click on the black image cart symbol to check out all the images in the event (add the images to the image cart). [1]	Image is *not* in the image cart. Click on the black image cart symbol to check out the image (add the image to the image cart).	- - [2]	Image is *not* in the image cart.[3] Click on the black image cart symbol to check out the image (add the image to the image cart).
Red image cart symbol ▣	Image is in the image cart. Click on the red image cart symbol to check in the image (remove the image from the image cart).	(does not display)	Image is in the image cart. Click on the red image cart symbol to check in the image (remove the image from the image cart).	- - [2]	Image is in the image cart. [3] Click on the red image cart symbol to check in the image (remove the image from the image cart).

[1] On the events page, the color of the image cart symbol is *not* significant.

[2] The image cart symbol does not display on the single image page. If the image is in the image cart, *Image Checked Out* displays in red italics with the displayed data.

[3] On the image cart page, all images initially display with red image cart symbols. If you click on a red image cart symbol on the image cart page, the symbol changes to black and the image is removed from the image cart. The image continues to display on the image cart page until you re-access the page.

FIG 84



AccuTrack Image Verification Viewer Download

The following listing represents the file(s) which can be downloaded to a standard size 3.5" floppy disk. You may choose, instead, to download the files to your own personal hard drive. The files are a result of the images you have selected for download and also contain the special Image Viewer to resolve the encyption scheme employed to protect the package. The viewer also verifies the originality and integrity of each downloaded image. Please refer to the *User's Manual* for assistance in unpacking and operating the viewer and the associated images. When you are ready, please select each file and the download process will begin for the file. You must download each and every file!
Your password for this download is listed below. Please do not lose this password. It is the only key which will unlock your image package and is unrecoverable.

ch3ff6cc7

Download Disk 1

FIG 85